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The Extension Messenger

COLLEGE OF AGRICULTURE—UNIVERSITY OF ILLINOIS

Timely Notes for Farm Advisers and others from the Agmoultural College, Experiment Station, and Extension Service

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## Hole Money and Saill Isaar I Neered Thirtrements

He e is reverts that large Illinois fame women have been enting out will hed tell restity is they have settneigh to ransperent to as good an aurest so as iil Mrs. Lloyd Wolther, of Form Eyron, according to Mias Mary L. Charle, and Istant total leader in hise erons has entered in it the College of Agriculture, University of Illinois.

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If gird alfalfa or oliver hay is not available, the even should receive rlenty of silage sugglemented by a protein concentrate and some limestone. The con-centrate and linestone will copyly the or tein and calcion or inarily sourlied by the legace hay. Frame brice salt and elenty of clean water of the available for the erres at all times.

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#### Pinished Barr was le Grice Best For Hose Stathering

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One of the first respectives of governmenting to the above the how in well bled. This our be assured upuniper studing a fact out of the collaing process. which demands careful attention, a soc water that is to not may surlicate the sor-ming job by setting the hear. The best water tenerature is about 100 degrees. Inis can be netermined by a solvy thermometer or by dipping the head into the water three times in rarid suppossion. If the third time is one of rtable, the water is hat enough.

While the water on the newton is a mettle and thoral into a barrel is stated the hog is to be scalded, a more or presient bethod es estably where several his are to be butchered is to set a shall walvanthed watering tank on bricks or over a litwith the fire inderniath. Then the Leadann's collectiff a scraping platfor into the water by means of reces.

In the scraping, the happand near and of goed first. After the hag has heen scraped, it should be brister in a gambrel stich or cultivator single tree, we mater coured over the carpass and the skin scared but's sharp anives.

The parisable old he out between the hams down to the relyic bonu and them split down the middle to the breast tone. Care the ld be taken not to but the onetestines. A cut is then made through the center of the pelvic bone. Then the intestines, storach and liver can be removed, followed by splitting of the treast true and removal of heart, lungs, wind ite and gullet. The invide of the carcass should be thoroughly washed and allowed to cool over night before teing solit down the wid le ou the backbone with a meat saw. However, the carcass should not be allowed to freeze.

#### Winter Parties Raise Popularity Of Full Cooky Jan

Informal parties which will rule many of the crist winter nights of the mass two nonths clade a premium on the well-filled copky dar, says Mrs. Fearl Janssen in the home economics department at the College of Agriculture, University of Illin is. This is especially true if the jar is filled with a variety of homemade cookies. of the post porular of the homemade varieties are recan finger cookies and Swellow coomies.

1. Fingredients for recan tinger copies are 🖟 our of butter, 🗢 our of cowdered sugar, I sup of out pecans. 2 cups of flour, I tablesmoon of water, l teaspoin of vanilla, 🛊 teasmoon of almond flavoring and 1/4 teaspoon of salt. Cream the butter, add powdered stgar, salt, flavoring and mater. Then add sifted il or and nuts. Roll in small finger shapes and bake at 800 degrees. After taking roll in powdered sugar. This recipe will make 4, small, crisp cookies which may be kept many weeks if packed in a tightly povered container.

Materials for Swedish cockies are a cups of flour, 1 cups of signr, 1 cups pounds of mashed butter, ? aggs beaten stiff and I out of alreads blanched and out fine. Wash the salt from the butter, orems with sugar, add beaten eggs, flows and almonis, max well and chill in refrigerator over night. Then run through condictivesh and bake at 700 degrees. Tolar by he added by decorating with colored ising.

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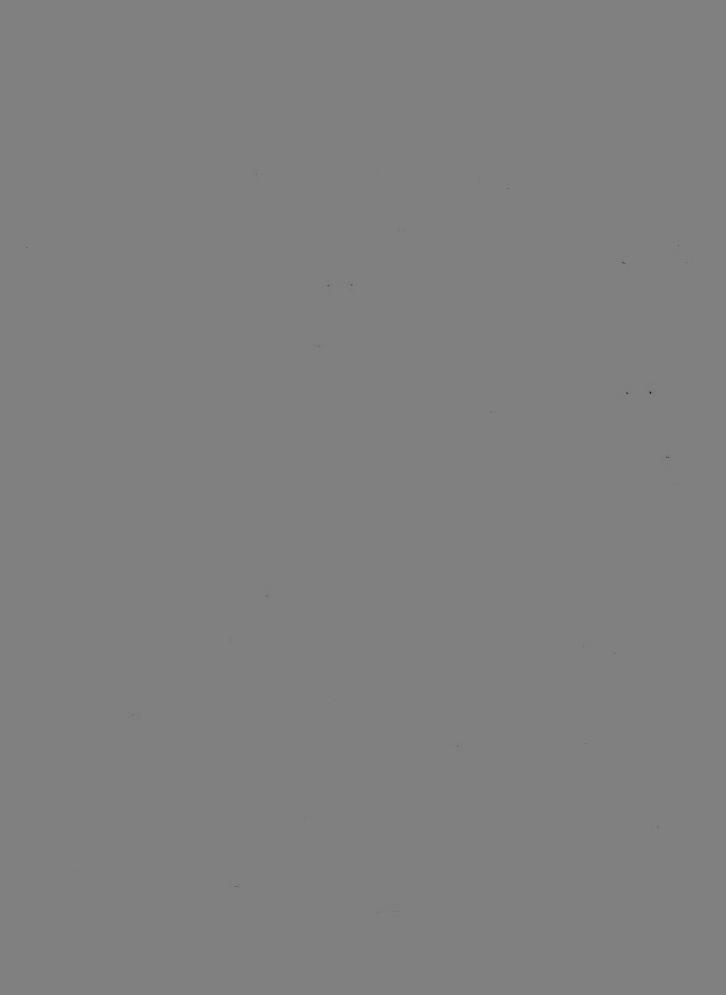
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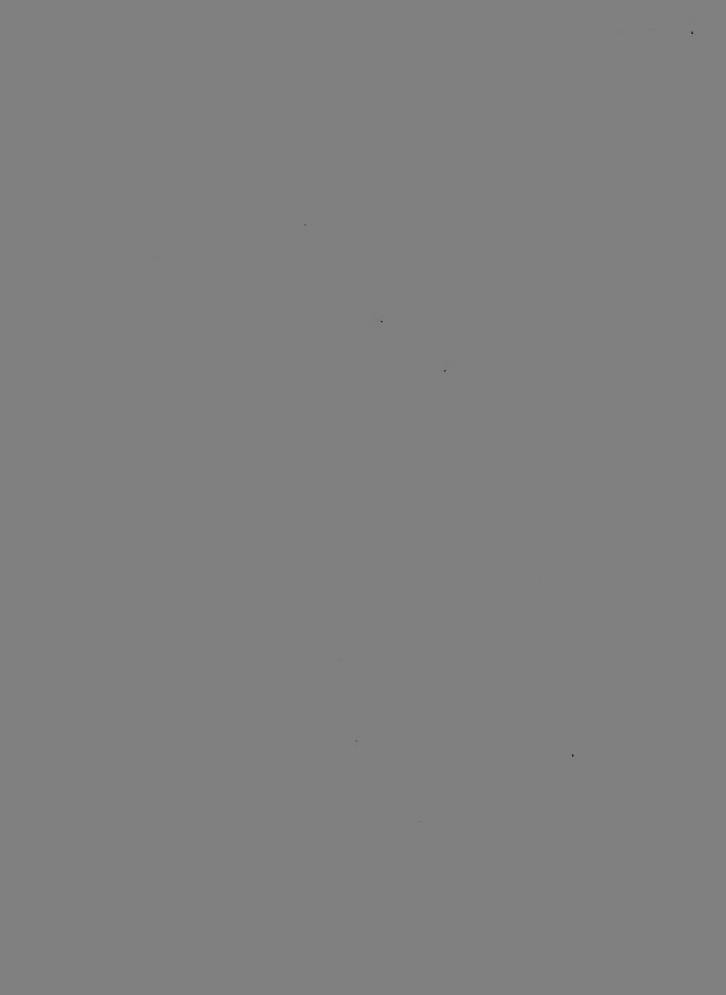
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Proceed in furtherance of the Agre blural Extension Act approach by Congress May 3, 1914, 22 W. Wilson and Magazine.



#### Early Treatment Of Oats Cheapens Prevention Of Smut

First sign of spring: Preparations for oats seeding and a report from Benjamin Koehler, crop pathologist of the College of Agriculture, University of Illinois, that farmers can save half the cost of disinfecting their seed against smut by treating it two to six weeks before seeding.

Although the state is still shivering from the effects of the winter's record cold weather, it is none too early to begin preparations for oats seeding, Koehler pointed out. More than a third of the oats in Illinois is planted in March, and that is only a month away, he said. Treating seed two to six weeks ahead means that preparations must start now.

Much of the three or four million acres of oats seeded in the state this spring will be planted to seed treated with the new improved ceresan, a preventive of smut damage to yield and quality, he predicted. This disinfectant, available at most seed stores, is a dry chemical dust which acts both by contact and as a gas. If the treatments are made early and the treated grain allowed to stand in sacks or in a bin covered with canvas or blankets, the gas has longer time to act and thus less disinfectant is needed, Koehler explained.

"The usual recommended dose, one-half ounce a bushel, should be used when the oats are stored only 24 hours before seeding. It is false to think that if a little disinfectant is good, more will be better. An excess weakens germination of the seed, and this is followed by a little loss in yield of grain.

"In well-cleaned grain one-fourth ounce of disinfectant to the bushel of seed, mixed well and allowed to stand for two or more weeks before seeding has given as good control of smut as one-half ounce a bushel allowed to act only 24 hours.

"Another factor affecting the dosage needed is the amount of dirt in the oats. If the seed has much fine, dusty dirt in it and it is not being recleaned before the disinfectant is applied, a full one-half ounce of the chemical to the bushel may be needed even though the oats are stored for some time before seeding.

"Thorough mixing of the disinfectant with the grain is essential for best results in any case. Mixing dome with a good machine gives more reliable results than that done with a scoop shovel.

"By cleaning and treating his seed and keeping in mind the length of time the oats will be stored after treating and before sowing, then adjusting the dosage of the disinfectant accordingly, the farmer not only will save money on disinfectant, but also will assure the best yields of grain."

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#### Growers Seeking Methods To Make Most Of Tomato Crop

How farmers and gardeners can keep pace with the recent marked expansion in the growing of tomatoes for canning, soup and juice will be a leading topic during two vegetable growers' schools which the College of Agriculture, University of Illinois will hold in Cock county.

The first of the schools is to be held February 11 and 12 at the St. Matthew's School Hall, on Milwaukee avenue, a half mile north of Dempster street and four miles east of Des Flaines. The second school is to be held at the Cook County Farm Bureau hall, 2414-16 West Grove street, Blue Island, on February 12 and 13.

Featured along with tomato growing problems will be the control of diseases of cabbage and cauliflower. Dr. L. M. Blank, plant pathologist of the College of Agriculture, University of Wisconsin, Madison, and of the U. S. Department of Agriculture, who will give an illustrated lecture on cabbage and cauliflower diseases, will be the guest speaker of this year's schools.



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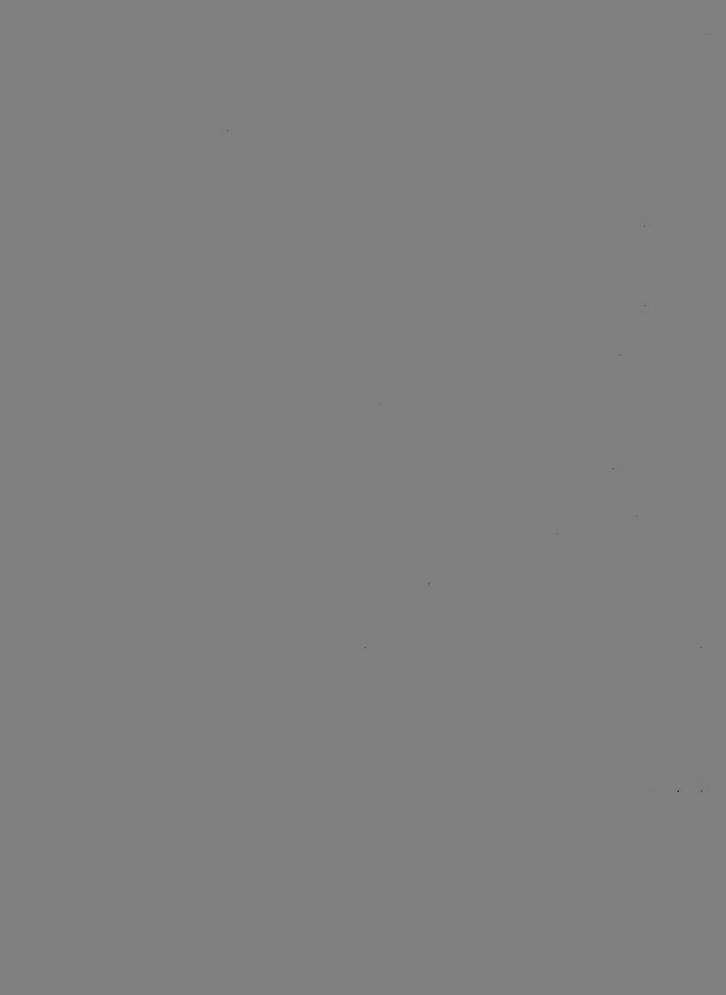
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# The Extension Messenger

COLLEGE OF AGRICULTURE UNIVERSITY OF ILLINOIS

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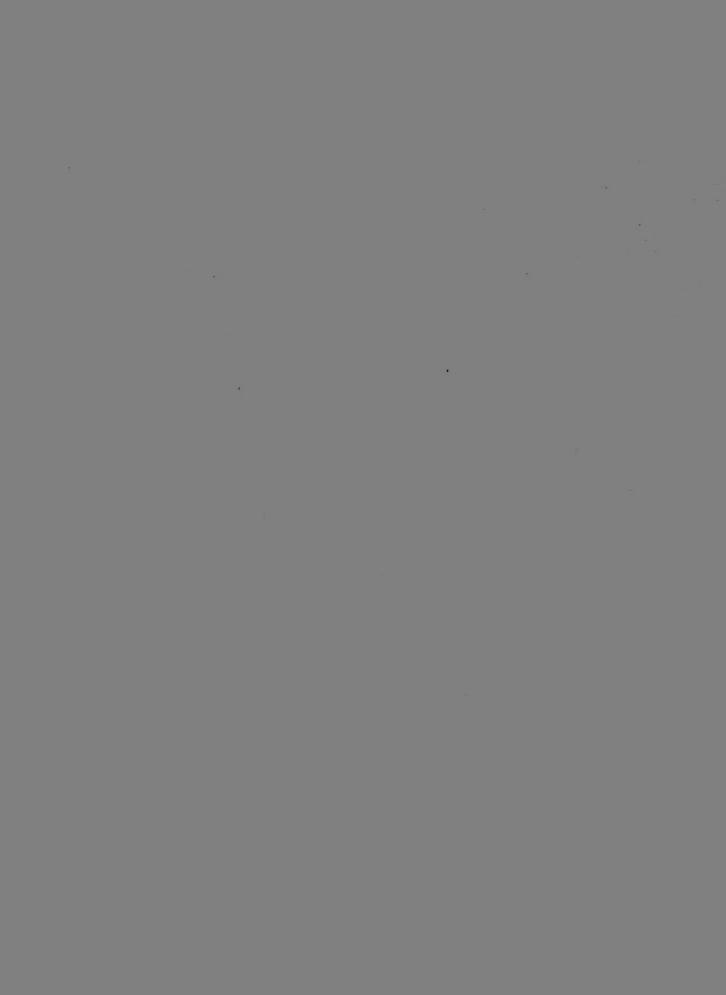
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Timely Notes for Farm Advisers and others from the Agricultural College, Experiment Station, and Extension Service

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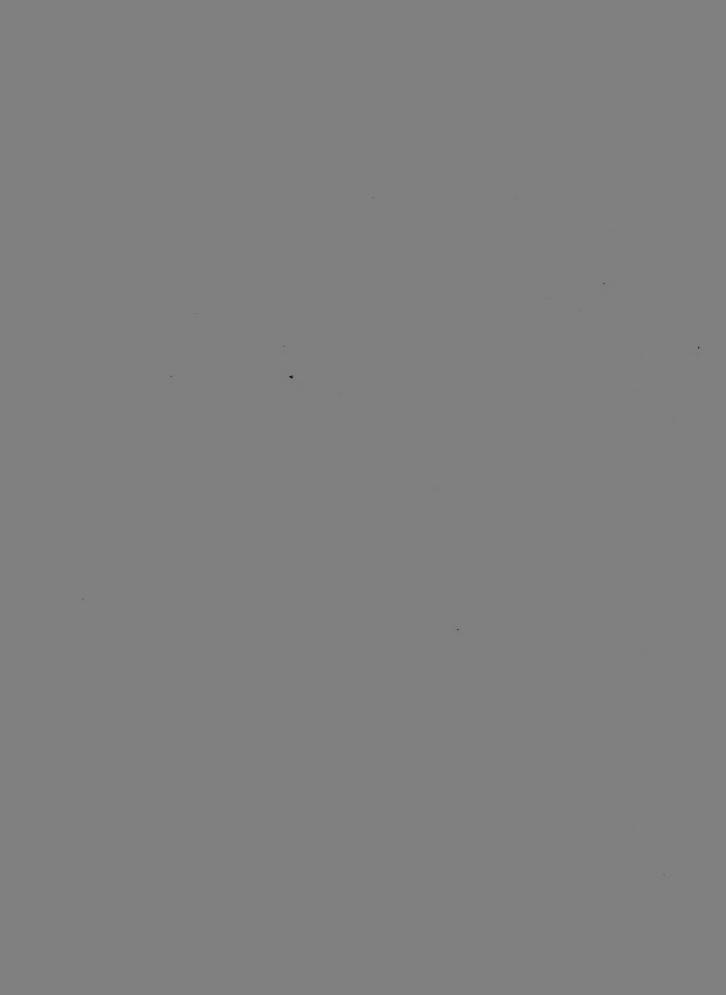
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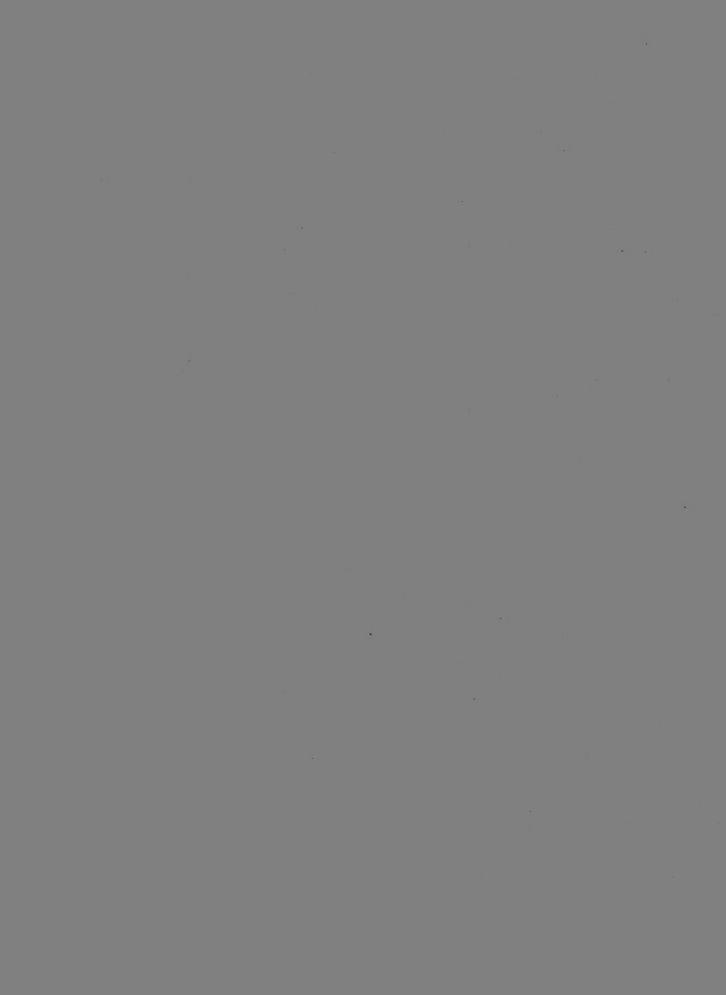
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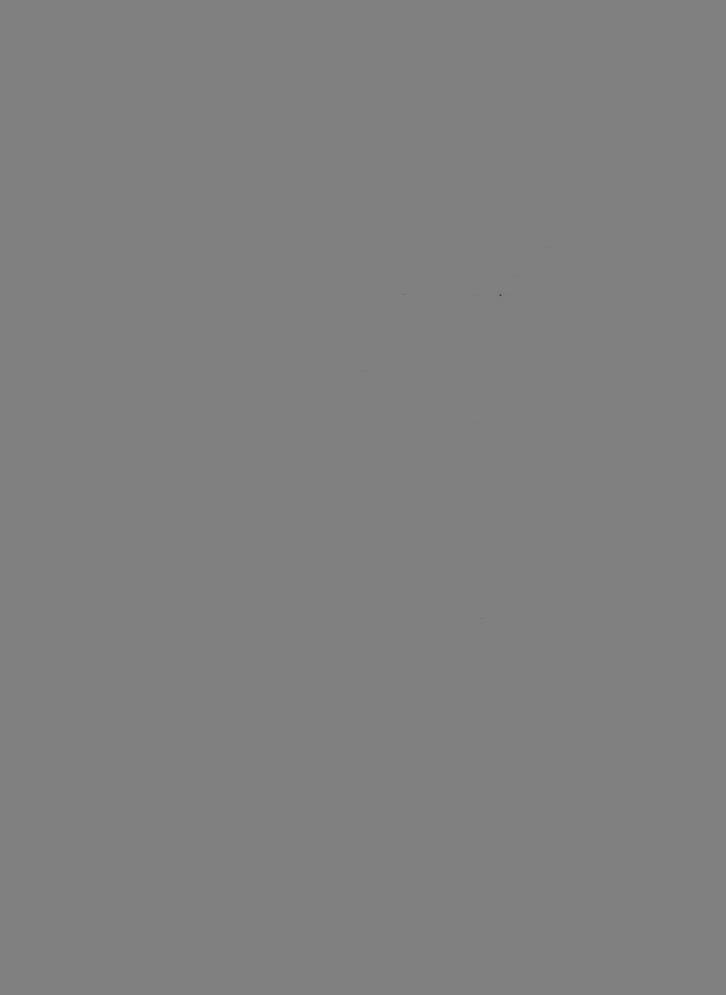
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# Incressed Numbers C He s Try Tower Price This Fell

Is thuse of increment much is of hope coming to series, hope rices in the fall of 1956 may be expected to be loser in relation to the seneral index of for erics, according to Illinois For Formatics, a menthly director issued by the department of agricultural economics, follows of Arricaltura, This raits of Illinois.

A pear in the spice of here was record in Teylors a result of the entracted reduction in the cup Lacemered with the increased derand. In Planett, left, the index of farm spices of here was 1.0, while that it all Illencia farm spices was 15, according to the circuit.

Referring to other types of live teck, the circular states that with cattle being held been to rebuild being, it is a relable that the origin of bood and dairy cattle will be myword during the mass new where. However, during this paried the short-time finaturations may be extracted to permise, the circular continues. Present prices both at beef cattle and here we high compared with those of grains or of probacts such as milk, butter and agas.

Trices of horses, which have risen residly the jest three pears, will likely continue high for several years because of prestly reduced numbers, seconding to the circular. In January, 1 - 6, the sum is single over of horses was mearly if our cent higher than three years are.

These conclusions on probable primes or based on a study of production chales made by the describent of agricultural communication the collection. As oreduction shifts, numbers of the different minds of livestoon on femo in the United States change from year to pear in swings or Poyol o."

"These production cycles crime from a factor of large numbers as forces to increase their archaetion of one spind of livestock in respense to more favorable livestock prices or normalization of events and last one to reduce archaetion when livestock prices have fallen televalevely penaltely considered architekte or when fact has become sorrar and higher triced.

"These excliced moves are in diverteel production are quite regal r, but the length of the excles is different for different will be of livesteel. The length of excles is largely described upon the length of time ordinarily required for large madeers of archivers to profit out them a in production of no only to print the products to the marketing steps."

Some producers been posted on trinds in livesteed numbers and do not non-tribute to those empeopies swings of production. Since they are all to entirely to periods of ever- and under-groduction, they sweet d in timing their production and marketing to advantage.

## Parchases Of Free Machinery Reach Is a High In State

More new machinery will be broken in on Illinois forms this serson than a topy the since 1966, according to R. C. Hay, extension agricultural engineer, Calle to 01 Appropriature, University of Illinois.

Proper care of this machinery so that former's mounting investments both in movement of the movement of the model of the m

"Now that farmers are increasing their anchinery investment, they realise the necessity of giving attention to activiactory performance and length of life," How said. "Fromer adjustments and require made during along seesand will go a returned trapping machiners and tractor scate low."



# "The six and Dealth - here." It siviles in sell beed form

"The record invite choir is the advice of ". I. Gung, of Perell, producent of the Illinois from Express of accommonstical, who are attended only lets of seed corn corefully single i and to stell in February or new papers, through the core genuination that they indicated during the colling the ...

The average tests of three oribs test a talest is lift, lesse, as well and some per cent generation when toted buring the end of a refer through, whereas retent tests of colerations must be one oribs over selecting from his

Ore; specialists of the dealess of price term, Universely, of Illinois, believe that the corn are frozen when direct term to be a pince had to a considerate. They explosion the injentance of retenting on corn will be helded in antidod orien to March 1, or during the colling iller in directnize to seed corn again.

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After thing asing on a coll-pure rod a cibed no force what to be dissipainted with a Tear to see out at and all corn. That is the respondent and other officers of the Illinois Orce Lyrever at Accessivition are ungine for the of Illinois to about and in ble about their see door before lift is the late. Their alogen is, "Two only on test and see that the acclisions ray thy togged."

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In facts made by J. P. Madellur of the dock county brouch enceriment within at Das Plaines. Turprion proved a ruch botter public per Chan the exceth-seeded Alsera. Like also it is resistant to the cold veether and dury soils of early string and motures at the same time.

little Marvel in utill the lader of the eid-we sen verieties with home gardeners. Many secree, inverse, are showing a creft page for the large-modded and large receded varieties. For those the World Record or Morce Market or supported. The Daisy, sometimes called Ewerf Telephone, is still recorded for those who desire a late variety.

If Curpaise, Edite Mercal and Iniopers all clanted at the come time in Carly maing, they will be ready for berwest an approximate lands, 70 and 1 days, respectively, after planting. The bulb time dealing with the howe park a cay be the tained by writing the College of Agricultur, University of Illineis, of Orbana.

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Timely Notes for Farm Advisers and others from the Agricultural College, Experiment Station, and Extension Service

Volume XIX

April 8 and 15, 1936

Numbers 15 and 16

### Extra Care Will Aid In Offsetting Light Apple Bloom

Prospects of a light bloom on apple trees this spring following the heavy crop of last year necessitates extra care to increase the set of fruit, according to V. W. Kelley, horticultural extension specialist, College of Agriculture, University of Illinois.

"Mature apple trees which bore a heavy crop tast year and phose injured by scab will need an application of quickly available nitrogen fertilizer this spring," Kelly said.

"To increase the set the fertilizer must be applied early enough for trees to take it up before bloom occurs. While other fertilizers need to be applied earlier, calcium or sodium nitrate is quickly available and may be applied when the bulls begin to show tip green. For best results it is broadcast undermeath the branches at the rate of one-fourth pound for each year of tree age, Kelley stated.

"A half dozen trees given good care will produce more good fruit than an acre of neglected trees," he said. "The most common cause of failure in home iruit plantings is neglect, especially if the crchards are so large that too much time is required for care. Many farm apple orchards may yet be saved if owners follow a few simple rules for renovation."

Besides liberal applications of fervilizer, Kelley recommends cutting out poor quality trees in orchards too large. Other renovation rules include pruning out dead wood, water spreuts and crossing branches, and thinning out the bearing surface generally to admit light and permit proper spraying. Following the spray schedule recommended by the college will aid in the control of insects and diseases,

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# New Home Bureaus Planned In Seven Illinois Counties

Interest has developed in the organization plans of seven Illinois counties to see which is to be the 43rd county in the state carrying on home economics extension activities, according to Mrs. Kathryn Van Aken Burns, state leader of home advisers, College of Agriculture, University of Illinois,

Shelby county is temporarily in the lead with 135 signed membership cards and an organization committee that has just completed a series of informal township meetings. The members of this committee are: Mrs. Gayle Lichtenwalter, Mrs. Chris Uphoff, Mrs. Ralph Bartlett, Mrs. Verl Shutt and Mrs. Guy Turney, all of Shelbyville, and Mrs. William Bohlen, of Moweaqua.

While continued bad roads have held up organization plans, Henry county has approximately 300 members signed and still has a chance to be the 43rd home burgau county.

A series of informational meetings, in charge of Mrs. Helen Butner, of the home economics extension service of the college, is planned for Morgan county the week of April 13. County and township committees will soon be announced in Christian county, and organization plans are going forward in Madison, Montgomery and Ford counties.



#### Lamb Producers See Added Posit From Better Methods

Illinois lamb producers are in a good position this spring to cash in on the steady improvement they have been making in their methods during the past few years, according to E. I. Robbins, extension livestock specialist, College of Agriculture, University of Illinois

"With less favorable weather conditions and a singhting larger early spring lamb crop in the principal early lambing regions, quality and improved methods will be reflected on the markets," Robbins said.

After a 400-mile trip through the centual and western part of the state he observed that Illinois lemb producers have more quality in their flocks and sere up to date in their ideas and methods.

Nearly all the lambs on Filter a facts have been decked except those only a few days old, he states. Fuyers have always been prejudiced against long-tailed lambs, believing them to be inferior, since it is common knowledge on the markets that experienced flock owners don't all thear lambs.

The practice of buyers in resent years of paying one dollar a hundre religious for all buck lambs has encouraged sheep men to sell only wether and ewe lambs. Podey few Illinous sheep men sell long-tailed lambs or bucks, Robbins say.

"It is noticeable that faithers we does threful and discriminating in buying ram, to head their floods," he declared. Theore are chowing distinctly the type of breed predominating in the lambs. The long-legged, slim-bodied crooked lambs such as prevailed in many floods a new years ago are gone. Many of the lambs were born in February and are making rapid progress toward being roady for market in May or June when the price is usually about the best of the year."

### Size Of Onion Sets is Big Factor In Success Of Grop

With early green onions bolding on important place in the demand for spring vegetables, home gardeners who would make sure of supplying this demand are advised to plant sets a large proportion of which range from one-half to three-fourths in him diameter with the remainder not exceeding one inch, according to let A. Somers, gardening extension specialist, College of Agriculture, University of Illinois.

"The value of onion sets depends almost entirely upon their size," Comers said. "Do not buy sets that show an appreciable part over one unch in diameter or under one-half inch, even if they are offered at a low price.

The ideal size, one-nelf to three-fourths unch in diameter, runs about 200 to the pound or 9,000 to the pushel, with one bushelt sufficient to plan an area of 254 square yards, he stated. Few if any sets this size will shoot sted stalks.

Sets from three-fourths to one inch in diameter run about 122 to the cound or 4.000 to the bushel with one bushel planting 10 square vards. From 30 to 50 per cent of these sets shout seed stalks. However, the make green onions in a shorter time than the smaller size sets.

Sets over one inch in dispolar run about 64 to the pound or 2,000 to the bushel, which plants only fit square pards. A large proportion of these sets shootseed stalks and never form pulbs. Somers said. Moreover, they are of poor quality when used as goven onions.

Since they do not have enough stored food to proluce a vigorous growth, onion sets less than one-half inch in diameter are too small for general planting. However, they may be planted thickly in the remaind will eventually produce grown enious, or possibly small bulbs.

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#### Illinois Farmers Eager For Rural Electrification

With only 1% of every 10% Illinois forms having electric service, oner ased interest in rural electrification has resulted in the extension aproace of the College of Agriculture, University of Africalt, holding a series of district confer he s to discuss problems connected with the expansion of electric service to forms, according to E. W. Lebwans, head of the agricultural engineering department of the cellage.

Discussion at the conference will be led by representatives of the Fural Electrification Administration, State Coroneros Coronicaion, Illinois Agricultural Acception, utilities, municipal light: Lants and the estencion service. Delegates to the conference will include form and here advisors and members of county progress, planning committees.

The complete schedule includes a fitings at Mt. Sterling on Arria 13; Corlinaville, April 16; Belleville, April 17; Champeign, April 16; Gelleler, April 18; Olney, April 18; Herrisburg, April 18; Ottawa, April 18; Olney, April 18; Herrisburg, April 18 and April 18.

"It is believed that electric service can be extended complicated at from 25,000 to 50,000 Illinois family buring the next 4 or 9 pears, are lettern mide of the county program—building conditions who have been morthing with the extension service of the college to establish a coordinately durational program in perioditure and lesso economics have found rural electrification to everyholder unstablish a tire of in any elections of the state."

The important factors dots unfine the cost of the example of a because house the standard of line construction, the development of rates and the problem to be noted of electricity on farms perved will be using the problems to be in adapted to the cinfluences. In addition, amounts of its beginning to have to means by which the own rule home electric and the progression little. By all turners in their count, who less relectric service.

Oranty most rais will be abligated the distance again account of call field, Debugne said. A. Ashis, the mis recently been appointed to the suit noun accust of the college, will devote a major portion of his true to their courty surel electrification meetings working both the few and home advised and the program-updaing conditions.

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#### [34] Minderes To Juano Livoutock in All-Day States :

Representing every section of Islancia, more than M. form boys, attribute in the College of Agriculture, character of Islancia, will test their shall in an all-department judging contest to be held at the college May . Prices will be awarded to the winners on the evening of May 5 or the annual Ag Banquet.

Derich Smith, president of the Illinois agricultural Association, will be

the main speaker at the bunquet.

The judging contect is swentered by members of the Modernd Fern Club ad the Lein Club, student organizations, to provide expensioned and training for the problem of the judging teams who will represent the college in competition of livestock choose next fall. The students will guage helf cottle, daily cattle, horself held, shelp and mats. The contest is open to irosheen and upper-classmen other than a nices.

Approximately 20th prizes will be awarded the aimers at the Ag Panquet, the entures raing denated be compared warm, and limited from ergal estions and industrials.

John C. Alice, general L. C. crog. Richards, puncture in the College Of Adriculture, or members of the committee to charge of the confess. When Churchill, Ellinoville, becall the committee taking corresponds for the bounds.

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The I the remainder that I have the remaining from all sections of the coming from all sections of the country, in anticipates.

"Duch day formers are racing new problets in the margeties of every type of agricultural product," The saterbir attention, furing the past " years of answer network of hord road, has tended to place the target within teach reach of dense of the roiles or are distinct. Today, a large propertion of Illian is lavestoped to terminal corrects. Then ported on by trucks all vatorwages has brought a new problem to the laceback between

"Formers and the resulted of everyone analysis of verter menorating process is inferent action. Rolling in the period transport transport action by the off is bringing recent acceptation for the language of the epening section of the angulation with retire all for the barre of transport of the epening section of the angulation with retireally recognized anthorities giving the results of their experience and studies and one developments.

The first gueral session of the factions of the college, Monday, June 15, it plans, with a descurrence of the problem of livestock marketing by Charles a. Swins. Incitur, retiring provident of the Totalonal Livestock Marketing Association on character of the institute. He will be followed by Charles W. Holmen, scoretory of the institute, floor sing dairy marketing.

M. W. Thatcher, of the seminer Detional Grain Corporation, will take up the problems of grain corporating, and r. F. Trackmine, vice-president and general manager of the American letter Corporative Association, Will discuss rottom. Fruit and vegetable manager of the Netional Frait and Vegetable Exchange, of New York, one of the best known authorities on the chipset.

"One of the objectives of this first service is to indicate the trend on the progression is to indicate the trend on the progression in lowing sessions they desired at a long fore said. "The progress is arranged to be a finterest to the producer and realer of any type or agricultural profuce as well as the purchaser of family any dise."

The American Institute of Componition is an educational enterprise supcorted by the leading famoural economistics of the nation. Which summer it has to as the guest of one of the leading educational institutions.

### Extra Risks In Planting Corn Too Early This Season

Despite the fact that best corn yields are obtained from early planting, Illinois farmers are advised by G. H. Dungan, associate professor of crop production, College of Agriculture, University of Illinois, to be cautious about planting too early this year.

"With the majority of the Illincis seed corn of low germination, a few days delay in the planting date should give the weak seed the advantage of a warm seed bed," Dungan said. "And by all means the seed cern should be treated. Seed treatment by disinfectants is the best protection for weak seed against adverse conditions of early spring."

Effect of the planting date on corn yields is shown by a five-year study

made by the college.

In northern Illinois, mid-season varieties planted May 11 gave a five-year average yield of 45 bushels, with May 27 plantings averaging 46.4 bushels and June 7 plantings 38.9 bushels. Late varieties with the same planting dates gave average yields of 49.6, 47.4 and 39.3 bushels, respectively.

In central Illinois mid-season varieties planted May 2 had an average yield for the five years of 64.7 bushels, with May 21 plantings yielding 61.6 bushels and June 11 plantings 47.8 bushels. Full season varieties with the same central Illinois planting dates yielded 69.2, 64.4 and 47 bushels, respectively.

Last year experiments conducted by the college on general run corn to learn the effects of seed treatment gave treated corn a 4 bushel an acre advantage over untreated corm in northern Illinois, a 3.6 bushel advantage in the central part of the state and an advantage of 5 bushels in southern Illinois.

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### Bang's Disease Germs Are Not Uncommon In Raw Milk

The organism causing Bang's disease in cattle and undulant fever in human beings is not uncommon in unpasteurized pooled milk sold and used in many Illinois communities, according to studies made by Robert Graham, chief, division of animal pathology and hygiene, College of Agriculture, University of Illinois, and J. P. Torrey, formerly assistant animal pathologist, state department of agriculture.

However, pasteurization as employed in the Illinois milk depots from which samples for their study were obtained destroys Brucella abortus, the Bang's disease

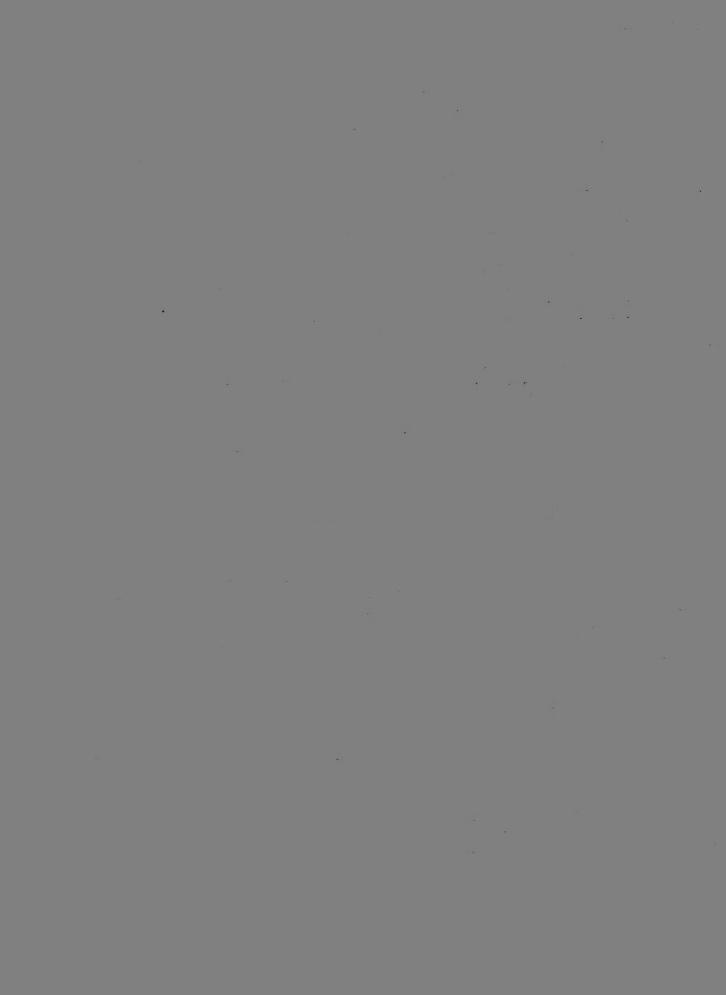
organism.

Milk samples from 68 different milk stations located in 28 Illinois counties were collected by inspectors of the state board of health and submitted to Graham and Torrey for their study. Milk from 68 pasteurized and 62 unpasteurized samples was injected into guinea pigs. Six weeks later no trace of the organism was found in those animals injected with pasteurized samples, while Brucella abortus was isolated from guinea pigs injected with 31, or 50 per cent. of the unpasteurized samples.

"The percentage of Brucella infection encountered in the samples examined is obviously higher than the incidence of the disease in Illinois herds, and it is assumed that the pooling of milk from several cattle or several small herds accounts for this variation," Graham said. "Obviously if milk from Bang's disease free herds is mixed with milk from infected herds, it naturally follows that the organism may be present in the composite samples."

Results of the study were reported in a paper presented at a recent meeting

of the Illinois State Academy of Science.



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Approximately the period of the coeff which who obese the grow sand took about 50 per case of the sediling moth wer suplied by the sold winter weather in color sort of Illinois north of Jenta him, reperted 7. In Falls, placed at the despect of the Illinois State Note on a Highery can provide the terratery counts to combin, the majoral of the terratery counts to combin, the majoral of the filling of Agriculture, Iniversity of the filling as very nong to weekly record design to insome grower on the four locations to organize or insome grower on the four locations to organize or insome grower on the four locations.

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COLLEGE OF AGRICULTURE UNIVERSITY OF HLLINOIS

Timely Notes for Farm Advisers and others from the Agricultural College, Experiment Station and Extension Service

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For modernized on the converted attribled by the activation of the modernized lamb. The term of the first of the contract of t verses ash expensions a farm last plan man 2,850 and in 1982 at we select, or a is shown of the personal. After seductives for biggs so expanditures to minoris the

The smaller such belon what the was despt by larger inventoring at a fith year. Such speciatory our wast special war large sucual tile the molunad in-ry and improvement inventorion showed ar increase at the end of the great over the beginning for the first state in several proper. Sale of livestrok and livest or opposite was responsible for the look and

cash invents. Livet objected armuted to \$ ,608 in 1185, an increase of the product the circular atom. Because of the resid declars in the product of grain during 1885, casi inc tw firm area and sales was less then in 1954,

While wields unwied in definerent areas, fortings yields of corn, ate, we est, spiceass and hap for the state last year word about 4 per cent about the average, for the purific losses, according to P. D. Johnston, of the agricultural encounties deported mint in the collings who analyzed the farm regists. Onto and wheat pickles were below average; the there were above.

Yields were much at the average for a aroup of countils in the north-outern rant of the state and enother area suct of St. Louis. They were below average or From of counties in southwastern Illinois and an ther group along the Illinois violatic the west central part. Records have not yet been analyzed for the northern and western arily which include the beef eatth and ingreentions. Because limestock arises i-| Vanc-a during 1955, it is exp-oted that this eaction will show a great-r increase in Harrings than the ror to fit. st t.

Countries from which farm record broke were supplied for analysis with date filph, St. Clair, Madison Clint n., Bond, Lontsonopy, Effingham, Jersey, Greno, Shilby, Sangan n, Mirgan, Adama, MaBenauzh, Biad, Ir an is and DeRalb.

### Co-Op Conference Will Feature Man; Sided Program

Farmers and other interested percens will have an opportunity to atually the inside workings in all phases of the cooperative movement when the American Institute of Cooperation holds its 12th annual median at the College of Agriculture, University of Illinois, at Urbana, June 15 to 15, according to an announcement made by h. C. M. Case, head of the department of agricultural economics of the college

"The morning ressions will be devoted to general subjects of interest to all cooperatives," Case said. "Each afternoon those in attendance may choose one of several commodity conference groups where discussions will be led by nationally and internationally recognized authorities in their field. A few evening mosting are scheduled, and a number of entertainment features are planned. The mortings are open to everyone interested in agricultural cooperation. There are no registration charges or free."

The general exession on the opening morning of Menday, June 16, is devoted to marketing development and problems affecting livertock, dring products, grain, cotton, fruits and vegetables. Tuesday corning the general exection will consider transportation problems in relation to livestock, grain, large products and fruit and regetables.

Fundamentals of cooperation will be alsonosed Wednerday morning under the headings of legally accepted principles of cooperation, acceptible of management and control and relationships between cooperatives and agricultural anstitutions. Consideration of cooperative credit problems will occupy Thursday merning sessions with discussions of available sources of experative credit for long- and shoot-term needs and credit for cooperative passociations.

National and international policies is the subject given the Friday morning general session at which time international trade politicus as related to wheat will receive attention along with the relation of cooperatives to production problems and agricultural adjustment through concernation.

Group conferences leveled to grain start Memlay afternoon with a discussion of producer ecoperation in securing map II a. The Tuesday afternoon subject is transportation in grain marketing; Wednesday, or thems of level appearative elevators; Thursday, ecoperatives on the terminal market, and Priday, appicultural adjustment round table.

Maintaining personnel and enforcing membership contracts starts the fruit and vegetable group conferences Monday ofternoon, with motor truck transportation in relation to cooperative marketing, Tuesday; standardination in grading and packing, O-dner day; and relation of the spray residue problem to cooperative marketing and financing cooperative apple washing and packing plants, Thursday.

Those interested in poultry and eggs will probably want to attend the Monday afternoon group sension devoted to production, accembling and handling. Tuesday afternoon this group will discuse types of compenative effort in egg marketing; Wednesday, the opening of mid-west markets to high quality eggs; and Thursley, poultry marketing,

The livestock group on Monday afternoon discusses the essentials for successedul cooperative livestock marketing; Therday, improving livestock transportation, W deneddy, factors affecting livestock price levels; Thursday, cooperative service in supplying feeders; and friday, crop adjustment in relation to livestock production.

An evening general session is scheduled for Monday with a discussion of national trends in distribution.



### Spring Decorations in Meso yearn When Well Flanged

With the arrival of spring and housewatearing time it lines homematers who would achieve interesting and distinguished results in 191,010 deconstion are deviated by Virginia H. Weaver, of the home economics department. It legs of Agriculture Uriversity of Illinois, that the decoration of a room requires a definite and well thought out plan.

"Individual character and taste should be expressed in the formation of such a plan," she said. "Practical application and understanding of promisines of interior decoration together with a real decirc to make the surroundings as secutifile, home like and consistent with one's needs as possible can not help but express accomplisty in individual and charming homes."

For the sake funity, a norm should be planned both individually and in relation to other rooms of the house. Special tastes and needs of the family should be recognized and provided for in the selection and arrangement of furnishings. City and country homes require different treatments. Lighter, gayes colors and less form. I atmosphere characterize she country home.

"In planning the decoration of a room, one should study its structural design Miss Weaver said. "Its good points can be emphasized and its defects concealed or corrected by the choice of general color tone, by the pattern and texture of the wall paper and by the arrangement of the furniture. A window that is not well placed may be balanced by a wall desh or a cable with a marror above it.

"The size of the furniture must also bear the proper relation to the room. Heavy pieces of furniture should be talanced by smaller ones. Many rooms fail to please because they lack the unity contributed by a carefully established point of focus for the eye, a clock, for instance, in the center of the mantel over the fire-place, or an attractive picture with harmonicing vaces or candiesticks. As a cult these are enough to convey an effect of distinction and charm. The eye will ask to no more."

~ 1/1-

## Big-Tean Colffits Ledi & Fermans Papense, For Pove;

By combining from five to 10 horses under the management of one driver. Thlinois formers openating tip feam outfits in their spring work obtain low cost power ranging from 6.4 heats to 11 8 cents for each work horse hour according to B. T Robbins. Divestoca extension specialist, College of Agriculture, University of Thinois.

On ordinary house forms, a work house hour costs 18 per cent more and on tractor farms 25 per cent more than on blasteam farms, Robbins statel, referring to technical bulletin No. 334 of the federal department of agriculture, based on a survey of horse farms and tractor farms in the corn bold.

"The big-teal operators worked the largest horses and mules and averaged the greatest mader of days of work a head in a year, yet they charpened their horse cost by using less grain and more pasture, legume may, straw and cornstells," Robbins said. "They turned their work stock out on pasture at night and or idle days in summer, and invinter used legume hay to balance stalk fields and straw stocks to make satisfactory maintenance for horses,"

In farms studied in the survey, average amounts fed to a work horse a year were about 3 200 pounds of grain, mostly corn and oats, and 5,000 pounds of dry roughage, including considerable straw and corn stover. In addition the horses grated about six months on grass and stalk field.

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Timely Notes for Farm Advisers and others from the Agricultural College, Experiment Station, and Extension Service

Volume XIX

May 6 1986

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#### Farmers Easer To Get Advantages Of Electric Service

Organized afford as being male in 35 per cent of the countries in Illinois to obtain electric service for more form nemes, according to R. R. Purks, extend an apportialist in tural electric reason, College of Agriculture, University of Illinois. He has just completed a traces of 10 district conferences on the subject throughout the state.

Delegates to the conferences were farmer-members of the rurol electrification, subcommittees of the county program-building committees and firm and home advisers. Discussion cas led by representatives at the extension service, power companies, take nois Agricultural Association, Illinois State Someroe Commission, and one En al Electrification Administration.

botal interest in rural electrification, rates, sincereng of times, control of companies, cooperatives, municipal organizations and loans through the Pural The estrification Administration were among the subjects brought before the conferences. Attention was also given to plans whereby formers can net electrical ray cooperative effort through the local power company or other interested organizations ready to provide the service.

These plant, acts. Ung to Parro, will be wicked out as a project of the rural electrification divise noof the program-building committee to each county. These committees are functioning through the cooperation of the farm and hour adviser and the extension service to work out a coordinated educational program in agriculture and home economics.

...b.,

#### Peoria County Student In Lonored For Highest Grades

In recognition of his having made the highest grades of any member of the senior class in the College of Agriculture, thavered a of through bonald F. McMillen of Chillicothe, Peoria county, was presented a suivable angua ed which, the Gamma Sigma Delta scholarship award, at the annual initiation banquet of the Illinois chapter,

Seventeen new members including McMillsh were initiated into Gamma Sigma Delta at the meeting. Senior students selected for the honor were believe Dudlay Armstrong, Monmouth; Arthur Edison Cullison, Lawrenceville William Bay Dann, Farmington; Frank Anton Kreml, Riverside, Russell Turner Carl Procest Last Levis Prince, Nashville; Donald Francis McMillen, Chillicothe, Malcolm Helley McVicker, Summer, Robert Burns Musarave, Hutsonville, Norman Richard Ungshart, Drocolm Walter Joe Wille, Tower Hill.

Graduate students initiated were Frank Mason Atchieg. Urbana; Eldon Belwell Colegrove, Sharpsburg; John William Green, Champaign; and Joseph Karl bee, Rigby, Idaho. Aretas Wilbur Nolan, of the faculty, and lark keys is a Clean Greenert, of the alumni were also initiated.

Known as the honor society of agriculture, Gamma Sigma Delta enclarages high standards of scholarship in acticultural science and a high degree of encollare in agricultural pursuits

# Stil Con a Water: Plac Son de Pasture Improvement

One of the more desirable for tures of the new soil conservation or cam is the soil-building allowance for applications of limestons to crep land and approachly to pastures, in the opinion of J. J. Firmor, of the repartment of agree my, fell to of Agriculture, University of Illimin.

"Illinois farmers, who maint in the at 7,500,000 acres of gratures, must that labout of which is tillable, can set more for the in money by fertilizing old partures than by respecting them," Pieper soil. "For eastweed in which the polatable grasses and learnes have been replaced by as do another result of poor soil conditions rather than any other cause. If the criminal character was soundly to maintain themselves, then the new seedings are lakely to also be a for the same way."

It is a covern but mistagen then then land becomes the poor in some and att it is just about right if reporting, he apported. The new idea is that instilling

yastures will give ab ut the come results as contilizing other crops.

Frequently for contact to the firm of a greature. Stock is furned out a the pasture to early in the coning of the great great sets a stock, or it is kept on the pasture the entire year. In case the tack a pasture care course to heavily during the least productive part. I the pare. For the relieve resolved depend in permanent pastures, Pieper recommends supplement or pastures, relieves recommends supplement or pastures are rely spring, the let importable of July and August and late fell.

"Unless one is able to correct to coupe of posture failure, whether it be occurated or poor masses must, it is a did not a cate furthor money in seasoning pacture land," he said. "The now present records of the fact in making pagments available for limestone applications to pasture land."

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## Steady Will Market For Mout Few works Is Personal

With the hold word clip ready to some underway, Illinois would produce a sepect fairly stordy with prices for the most few months, in the equinon of W. G. Hammlade, associate professor of shiep husbarary, College of Agriculture, Molversity of Illinois.

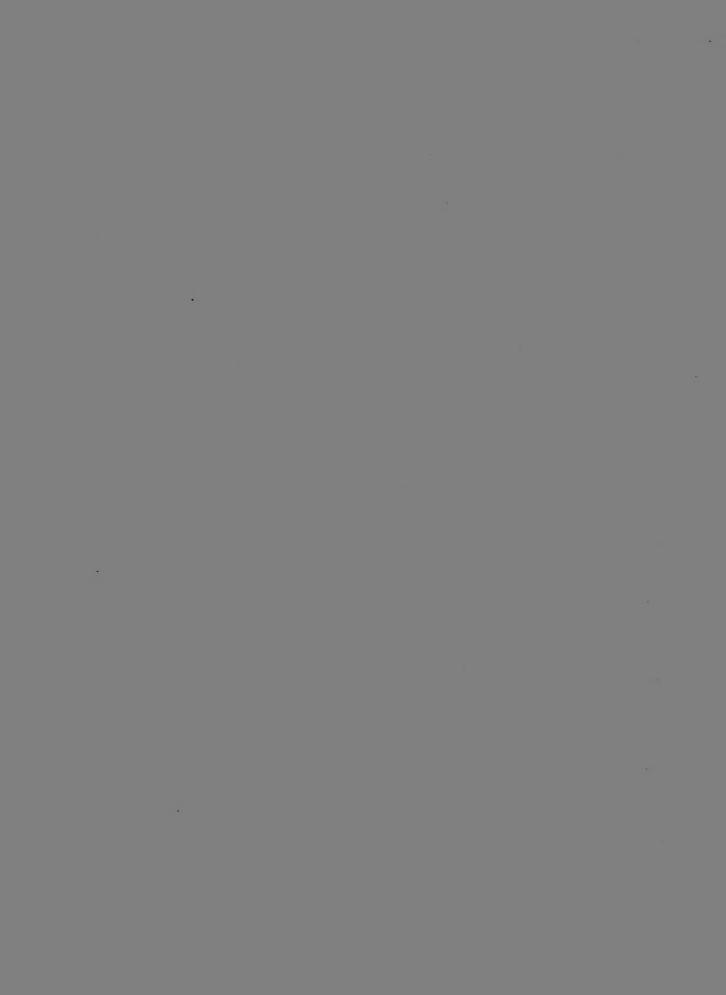
Pointing out that future week grieve can not be quoted with any containty, Kammlade bases his opinion on the good tone to the market, small prospects of excessive supplies, increase in prises at recent londer sales and the high decree of activity in well manufacturing centers.

Approximately 35 per cent of the total lime tic week capally of the United States is produced by only 4 per cent of the Jereller due to due to a this country, indication, according to Kapualate, the large slipe of some of the material like. On the other hand the entensive number of small checks to shown by the first that we per cent of the FOC,000 producers sumply only does need to the loss of the last that the cois or further fall in this latt or now.

"With proper organization, the sould will be obtained to eath I the woll arket to a greater extent than they do now, since world is not a perighetian or of the end is produced in quantities insufficient to not the acceptation country, Warshall so . "Unly be per cent of the world produced on Illinois in each to note water by, will Australia, the world's leading world country, we provent to those I is a letter with the producers' compensation marketing co-neces."

- Wiel production in the United States . In other to be about the above

1835 when the cutput was 41,000,000 penale, and main, pull dewel.



#### Mor. Long 1939 Supply Benefits Farmer And Consumer

Development of a more even sensonal peruduction of milk would reduce production costs and materially increase the incomes of lairymen producing for city markets without raising the costs to the consumer, according to Illinois Farm Elemented, a monthly publication of the department of agridultural economics, Soliege of Agriculture, University of Illinois.

By adjusting breeding practices at that same case freshen in the fall menths and some in the spring, farmers could get a wave uniform production of mills at lower costs, the circular stated. Fall-freshening cases produce heavily in the fall and winter menths as well as in the spring and concequently produce a greater annual quantity of milk than spring-freshening case.

While total feed costs are higher for cons freelening in the fall, the increase in production exceeds that in feed costs. As a result unit costs of production
are lower. A large volume of milk for each cow can be produced uniformly throughout
the year at a somewhat lower cost than our a smaller volume with a wide seas nal variation.

An even consided production of milk would lover hauling costs to farmers as well as receiving statics cost. since but trucks and stations could hundle a larger total annual volume, the circular point document. Total quantities of some for fluid milk nation, roul, be however brown of a given quantitie a larger sold for surplus gauge, see.

"Over a long period of time these contined reductions would be radicated in savings to the consumer," the circular attack.

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#### Greater Use Of Limitine Being Stressed By Farmers

Maintenance of soil fertility through wise use of agricultural linestone has been suggested as one of the projects through which the Richland county program-building committee, cooperating with the extension cervice of the Collige of Assiculture, University of Illinois, may obtain a prodinated educational program of recriculture and home economics, according to Farm Administ C. L. Beatty.

At a recent mesting of the communities, which is composed of Richland county farmers and homemakers appointed by Dean H. W. Mumford, of the college, it was pointed out that the new soil conservation prigram lists the operading of limestone as one of the approved practices for which soil-building, or class S. payments will be made.

The new plan provides for the payment of \$2.50 an acre for applications of at least two tons of ground limestone an acre when applied on prop land or posture between January 1, 1335, and September 1, 1336.

"The foundation of any soil conservation and improvement program to the regular and consistent growing of clovers," said Farm Adviser Beauty, at the meeting. "Clovers build up and maintain the active organic matter of the land, conserve mointains, help control erision and check leaching of plant food. Fut clovers will not grow on land that is acid--land that lacks limestone."

Other problems discussed by the committee were rural electrification, cooperative marketing and better health measures. Similar committees are functioning in each county in the state.

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In 1914 a county armen ements love have made for took lots or took if the filterent farms for comparisor of positions armains of hydrid corn. Eleven or more attains will be trated in the Int. Franty project out material working to a Part Atti of T. C. Myero. Corn tost alote new clockers langed in Henry county.

kn mel og linn toting so eliminst i gme of me dagetik of grmad causel to severe in exima. Testing a serminagent is non-high control a misilitarely plasses, 4-8 plues, form burson and individual form of. In Johnson county to food ture au das installed a remineting locomotopy in the becoment of their building value

tests on mode under the line time of Tom Auvis est. S. Allison.

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Tomasorian mith the Domeins' Institute. Iddicamba of the Illinois One Isone ment Association necess entries being received in the ten-work from graming postest. The Simit enturnt is Markon F. Esin, St. Transisville, Lagrence compty, a student le the Toirepoity of Illinois, Colle e of maripulture.

### Burnel Found Adulto Picture In Henderson Inceram Ilana

Irraiding roseational and advantional decilities for olfer courses of our farms are among morblems for swipt solutions are soint to which the Well rich winty provingsaluiling committee comming to Top Rooley, obsirmer.

It man chint i hur at a movembre extinctor the committee that communations. are recled for those more and the community who have been cradicated from the selfolut ranko. Patablichment of liseus len erew a through which this and otter members of the community may work out mutual colutions to their out I make an their employe

on value the other tree in more int.

Apprinted by Dean R. W. Mondord, to the College of Apple Course, University of Illinois, the menters of the arm rom-builtin committee are attempting to occur in to the functional activities in community and how common bein Housest a country. Ginilar committee - have been named in other notables in the Mist. to function in the Operation with the extension pervise of the orblines.

Indian rape Illinois can Initi Vice do Murano Adril, co ordina co cullo. Aur., extension coultrance, Tall to be Appired ture, Tolkershop of Illin is, we come a kin forms of an appoint a seet by a number of Illing a Carm balover a veriod of Courses.



### Interest In Cooperative Managing Covers Wide Range

Virit of a troubled Websah and deffer on on a train address earth of the story producer of the story producer. Louis recently is typical of the uncreased interest became shown this curion by Illinois farmers in cooperative marks time.

The Wabana and different counts formers with seed the grading of steer, how and cattle and were address a by an official of a cooperative marketing association. A group of de Woodford county formers and a similar right to the Terra markets when they obtain a first-hard information on cooperative marketing.

In Brown county, we ording to Form Advisor E. H. Fordish, with the encrease of sheep-cheming time, attention in a line said to the respectative more ting of mode. A wool pool has been organized in Adoms county, and well marketing clark are and many in Henry county.

Interest in a operative markstine in Color country entere around livestock and cream. R. C. Ashby, of the department of acricultural economics, College of Adviculture, University as Illinois, nainted but the advantages of compative mark time of livestock at a recent mettine of Color country farmers.

Incolers related to the conferentive mericities movement have a retional appeal as evidenced by the conference being armined son the lete acreal series in a the American Institute of Cooperation which meets the week of June 1. at the University of Illinois, follows of Americal Hums. Nationally and internationally measured authorities will discuss as recative move times abide a with an attendance of letwe not, one and S. My expected from all aschions of the last 1 States.

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## Hoth In Rill In Create Channet, Dat Die An und Licht

"Moths one in the wine and lawing eagle which will later batch into little white vorms hunary for the best wealing," days Mory C. Whitlesh, of the home scondition department, Coll se of Astropyture, University of Illinoi.

"If a moth, little or his, in flying occupa mount light, you need not often out of your chair to enough wildly at it. That is the moons kind of moth. But if you are dusting around and see a little buff often d moth couttling along after you have disturbed her hidden place, that is the time to neve fact."

Larvass of the surrest booths are just as destructive and as numerous as the larvas of the moth, star a Mias Withon. The shift is a small same crown books about one-eighth inch long and can often be near an excess or window ledges elect to escent outlooms. The correct bestly larvas lits the came hind of foot as does too elether moth larvas.

Pointing out that this is the season to become consermed about such rects, Miss Whitlook recommends nartheless or caradichlorobensess equatels to right larvage. The divistals have a clean older which loss not clima to clothing. They can also be given any oder by adding a few irons of a feworite working, for rouni of constals are required for son II cubic feet of storage space.

Clothing, blankets and furs should to eleph when afor differ the sump r.
Miss Whitlory warned. Care should be relean to make some no math or larges are in these.
The articles should then be wrapped in cood, strong payer with drystold in the bundle and then realed with growth paper. If a trunk is included for atorage, the growth control to call the cut in terms of that the fumes are down through the textiles.

If clothing is hung in a clock, engetals may is also doing the contact the Constiner or open tin box him in the clock too that are functionally decents the clock to about the cupply of crystals should be replaced as they evaporate.

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## Lights Aline Not Enough Rank Cuflet For Electricity

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France of furtherance of the Agricultural Extension Act approved by Concress Way 3, 1914. H. W. Magricon Extension



Vol. XIX--Yo. 1

## Forestry Adversated As Solition Politic Land Inchlem

Illimis files concervation wish has again called attention to the fact that the state to original ferent acrease of 15,000,000 acres has been recoved by land clearing, fires and crasing to 3, (0,000 acres).

"Not only industranted to week, but also unding each work of the year we should consentrate in the absolute a security of renewing and maintaining our natural forest resources which are at essential to the man areation of soil, water, fish, tage and ever human lift," and J. R. Davie, extending the attention of Applications. University of Illines.

"As it is now, introduce lond or mine complete with misuse of toth land and forests has left us with an oral of bureland entimated at a forest, and the make a like and contributes of thing to the website of the other," Davis outlined. "Furth more if present granters of atoms, Togor cent of the present toward area can be expected to become idle land also, since this is the amount which is grazed, and impairs our norm nothers but the formation of the contribute.

"It is true that to exercise set is the land controlly cleared and proved its worth as productive erop from, but assess Illin is formers had noward throwing that a me lands should forever sense not be sets.

"In forestre lies the solution of Illinois) The land region. Much of the land which can not providely new embeddural or as can provide these maps. In such a proximal multiple up should be the segretic both or then times not dustion alone. In Illinois for states new most near the new or the l, wit rehelps to the call constant sense attent. These uponts or these consecutions to time who applies.

ation. The squeet of the source of the property of the first of the model to the product of the land of the land of the land of the product of the private owner, these primary purpose is the product of the state materials to fullify of the order of the

Value of forest plantings in the compression of oil a second has even recognized by those and from it the means are conservation program as a rate noise by each fact that forced plantings are listed so the of the approved practice as in which captions will be made.

2172

## Trees Damacra By Dabberts And Mich May Net Bo Sound

Enmage to Illinois small hardword or proodless trees entimated at \$50,000 and covered by rabbits and microsating the bark when the ground was covered with some is now being revealed as trees put forth their leaves, according to T. F. Davis, extension for ster. Callege a Agriculture, University of Illinois.

In some cases the bank is est had one mide of the tree only. Such trees may recover and except toly head the wound, but wovin recoverings painting such wounds with any outside paint to prevent a fection with wood-rotting dungs.

The during is reported to be most project in the northern part of the state where the show was deepest.

Where trees have been completely mindled there is no clarie in one and many monthings leaves now be put forth this spring, brying stated. He recommends outling of such principly damaged trees just above the ground to give full feeding attend to fifther to the appoints which may develop at the soft to the following applies all sprouts amount the largest and best formed may be promed, allowing the one are salming to levely a new tree.



### This wormed In Br Attacked L. 19 Htt. | Pulling Last:

Interest in home pulling contests is leveloping for body in illing to be apply and complying type what and of the walls of it was larger and on a contest to the Larger hand and the Larger applicable to the Larger hand and the Larger applicable to the Larger hand and the Larger hand the

At stude in the court of a will be a non-state people of heavy reasons at his court of a lightly on the court of a will be a non-state people on the experiment at his lightly sense of the self-sense of the sense of the sen

Furthern count are already have be noted below in 10, noted to the country sum or and fall. The count will be noted for the first sense to describe the meaning form, now Wheat is, six no Joseph and Direct are first sense to describe the in observe making against all tomore. Location one last a solution and total form of the selection, Amount of Solution; Amount of Alexant of Solution; Amount 17 and 18; Knowlike, Solution 18 at Joseph, Amount 18; Till of, Amount 18. The vill Amount 18; Pecat size, Amount 18, Stocker, Amount 18, Total of Solution of Solutions of the selection of the selection of the selection.

Pent of sor consulty held of fair owners conduction on small old to be welllime to provide and toma.

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## Point Au Reaking U Ar A Roym & L That It In Ait

With many IDD in it can empty our the track of a rime is a seplement, like a Directly J. Ivig, bear commissioners of early a specific t, a like a Appinchment, they were sity of Iklandia, point a cut the wine collecters of real peper of point and requests asked for a look larger, and he were n, a also, so were on our the endown as of missing or lew-rime the colline.

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"It arrake is which has for a himiling that, but and fare to the one inposes subtlift of nouse remodeling at providing and improved the opposit him of the cash. With the color is parent of paint," His a Intication is useful a second and have a doing to prove a time and continue to the cash. With the is

For defliner which are long the area means obtaining treatments with vertical lines, not necessarily atripes, but declars that have an upward trends. In talk mass it walf he wise, the said, as to to use a cornectible.

"in decreasing the colarent also of a large most, large and makes a locable effects on the upon, especially those that we morga in terture end large to a thought provided there is not an over— buildenes of mattern in the other the left of the entires.

Minum rellinger which have characterized the construction of the trends of the past new word call for norizental lines will area e-dings. The high e-dings we have during in o-lor than and providings circumstances.

"If me has a warrence aming room, evil oclors should be used with three, blue greens and blue villets prelominating. In the other 1 addit the room of the color oclor, many tones are adviced and as perfore, enduced and told. When were addressed as a covered, they should be in small amounts."

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COLLEGE OF AGRICULTURE UNIVERSITY OF ILLINOIS

Timely Notes for Farm Advisers and others from the Agricultural College, Experiment Station and Extension Service

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in That ligh Blatt DeWitt, Dogan, Mason, mont, Poloning, Folton, Inc. well and achean countries showed that rest tell - garin Tues - - - et a sufficient numbers to pause

i - : tol the small grain fields closely and - - :m: . i carno. bugg Flint said "It will relation to first of June. P that tame relation = easily related. With tem, 20 to relation to mumbers of bugs, it dentainly t register water ren situation mention type broading farms, the second type broading farms, so the second type are set transmitted as farms, so the second type at transmitted as farms. skan sate ren situation The best type of barriegs so far

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### Illinois Farm Families Save And Spend More In 1935

Illinois farm families, with 15.7 per cent more cash available for family spending and saving last year, purchased more and better food and clothing, repaired the farm home, bought more home furnishings, and spent more for transportation, education, recreation and health.

These facts are brought out in figures compiled by Mrs. Ruth Crawford Freeman, home economics extension specialist, College of Agriculture, University of Illinois, from home account records kept by 216 farm families.

Furnishing and equipment expenditures recorded in the 1935 home account books show a decided increase over the previous year. Besides many replacements such as dishes, curtains, sheeting, blankets and repair of furniture, many large pieces of furniture and equipment were purchased.

Housing expenditures for repairing the farm home continued to increase. At present most of the expenditures are for repair and upkeep rather than for major improvements, the farm home reports show. Inside paint, varnish, wall paper and general repairing are the most prevalent items of expenditure. The trend toward major improvements when money is available is indicated by the installation on the part of a few of the 216 farm families of running water systems, electricity and furnaces.

The average total food cost a family last year was 16 per cent higher than for the previous year. Purchased food records show that families bought more fresh fruits and foods in the luxury class which they had refrained from buying in former years.

The per capita cost of purchased food for farm families ranged from \$37 a family a year in the group having incomes of \$500 to \$1,000 to \$60 a person a year in the group having incomes of \$2,500 and more.

Expenditures for clothing, transportation, education, health, recreation and church and community welfare also showed increases. Purchases of new cars or later models by 17 per cent of the 216 farm families was responsible for a large part of the increase in transportation expenditures.

In the lower realized income groups the main type of savings was life insurance. Many families were able to pay off, reduce or refinance mortgage payments.

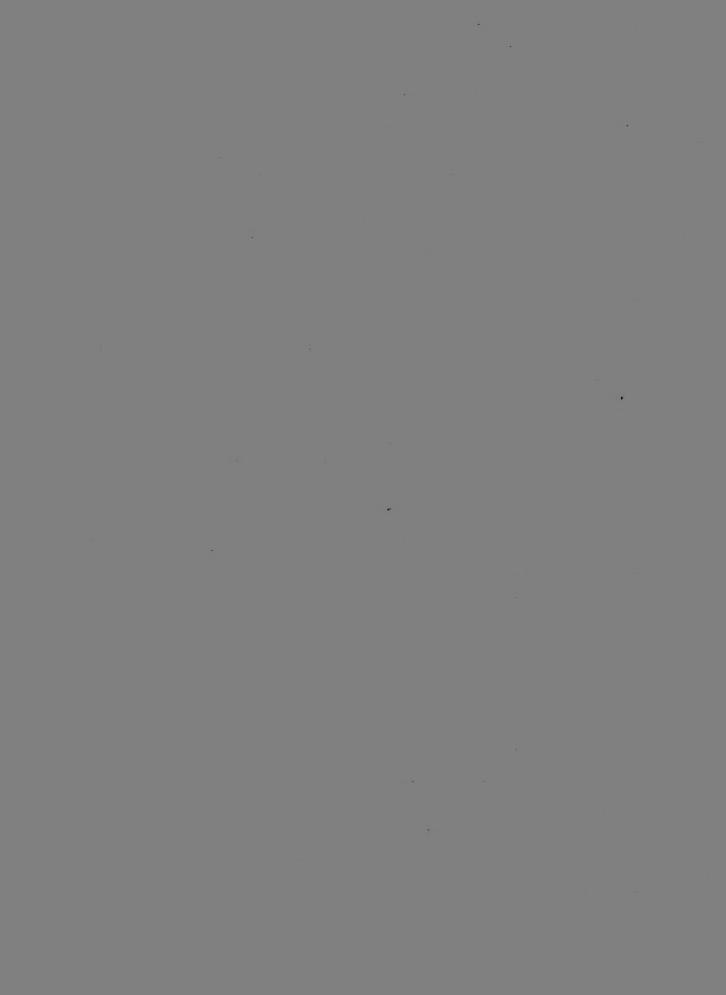
"Farm families are beginning to think more in terms of satisfactions in living," Mrs. Freeman said. "Many of the families last year obtained some of their goals, such as more labor saving equipment, more modern conveniences in the home and education for the children."

-M-

### 14 Counties At Work On Next Music And Drama Event

Although this is the busiest season of the year, Illinois farm and rural folks have already started preparations for their state music and drama tournament, dates for which are in January, more than seven months hence. Preparations are under way in 14 Illinois counties, it was announced by the state executive committee of the Illinois rural music and drama tournament, meeting recently at the College of Agriculture, University of Illinois. Mrs. L. D. Graham, Lovington, who was elected chairman of the executive committee, reported that organization meetings have been held in Jo Daviess, Kane, Macon, Effingham, Jasper, St. Clair, Pope-Hardin, Kendall, Livingston, Knox, Shelby, Stark and Mason counties.

Members of the state executive committee, who are also district chairmen, are Homer Curtis, Stockton; LaVerne Hanson, Yorkville; Mrs. Webster Gehring, Galesburg; Mrs. Gordon Fillingham, Pontiac; Miss Marjorie Layman, Lincoln; Mrs. Roy Coultas, Winchester; Mrs. L. D. Graham, Livington; Vance Hulbert, Altamont; Lester Helms, Belleville; and J. R. Strubinger, Metropolis.



### Designations Headliners For Meeting of Cooperatives

Denter C. Davis indicinistrate, Associational Adjustment Adjunctional Mushington, 1 10 per using European relets for against liber of Cooperation invited that part of the 19th remail session of the American Floobbaile of Cooperation invited to problems of international trade, reports A. C. M. 1835 Labor of the Expaniment of agricultural scommiss, collose of Agricultura, University of Colors who as in charge of local arrangements for the meeting. It will be held in the university, June 15 to 17,

"Having spend the past tare menths in Europe making a special study of our lets for agricultural products, Davis will have a message full of Indecember of section in this subject," Once came.

Recognized as the national authoritative adjections for it is the cooperative movement, the institute has for its purpose the lastering of a process and up-to-date informatic, on every masser and develope in 1986 and 1996 and 1996 and the distribution of agreed dural products. Martings acropsely to the loss of a landing university, it is the as its major attention up in the immedia te prochase confirmation agreement purchasing and marketing asserbations.

Discussions of international shade will occupy the interest of the intitute at two evening mostings, one on Monday, Jone 17, and the other Foursday June 18. Administrator David will speak at the Monday e or any present section which will be presided ever by Edward at 0-k all precident, and item Farm Suchau Federation. The more than 3,000 expected to attend the orderesons will be welcomed by Pean H. Women and, of the Boll pead Agriculture, and arms Division the program will be a W. Feterson, Calgary, Camedo, discussing international areas prothers as late irestably wheat.

Thursday evening's section is the international trade discussion will feature L. R. Edminst of Washington, D. J., he are communic analyst, trude agreement section. State Department of the federal costs, ont.

"Edminated for series of the state Pepartosub," Case said. "The Thursday of the state Pepartosub," Case said. "The Thursday of thought secured secrion will be presided over by C. T. Gregory, editor of Preside Desemble. Edulation of disease on the train policy of the United States will be followed at the site of the control of the cont

Linders of the general augmentance in international trade or bloom will be H. M. distay, Chicago backengh intestruc Markelang Association; N. C. W blooms in New Informs. American Destin Commentative Association, Charles W. Hohan, Washington, D. C., American Institute of Compaction, and M. W. Thotcher, Washingt a copies a tative, Fermer's Patienal Grain Corporation.

mark from

## Mosaic Discase Of Whent Jim Found 1. 17 Complies

Illing is farm no are watching their fields of winter wheat for cycleries of a new discase, wheat mong o, which threatens the state to average annual confunction of \$1,442. For bush is valved at \$2.,179,600, according to Dr. Benjemin Wohler, or pathologist, College of Agriculture, University or Illinois.

Evidence of the distance has been closed in former years in bland digola Lawrence, Wichen, Medican, Fixe, Morgan Close I sowell, Mason, Molean, I gail, for the Sangaren Formillon, Edgar and Class of antica, and it is feared that it is on the spread of combat the disease the college in cooperate in with the fadored department of consoliums, is conducting experiments to determine varieties highly a sistemate monde and at the came time prosecution of the points of characteristics.

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COLLEGE OF AGRICULTURE -UNIVERSITY OF ILLINOIS

Timely Notes for Farm Advisers and others from the Agricultural College, Experiment Station, and Extension Service

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The ellectric clare will else many openial arguments Thursday, the last

Here iters for the state one ittes charged with the top of a limistering call charactering regres to Illinois have be no reallest 112 Worth Welman Than ign, according to Dec 11. Bentry, Or gon, chair on of the constitution.

it bliching of the hoody of order of Observing, consideration one give to the convenier of 1 to inspect the horder stars of the enterpies of green the follower of Agric Itum. This poit; of Illinois, which is cooperating in the same tional active

Other to bers of the state on although S. D. Turkings T Hassat Plains, John C. Burring, McNobb, J. D. & Librara, Jurseyville, and J. C. Sairley, at Mo-I der of fer. dvisers, at noing corvice, fell go of Borio ltue. All at the Do bors are democrating with active in the corpodaty rrogram of the 10s which were region of by the said meno rection lon.

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With increased for continuous for the cost new years, Italia to the increase how there are turning their attention to increasing the looks of the owner are, in the ing to Max 3. Full r, beniscent southward extension specialist, School of Attributes, University of Illinois.

He reserves that educational and prometrational projects in name leaders to gradening are now in tragress in 44 Illinoid countries with 14 others helpist with a section.

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A period of incompational period have been held in Aprendiction of a which denonstration of the ullibration of his period her representative at the schedule for the form of how explains and notice of a soft of the turns of the most of the period of the first of the

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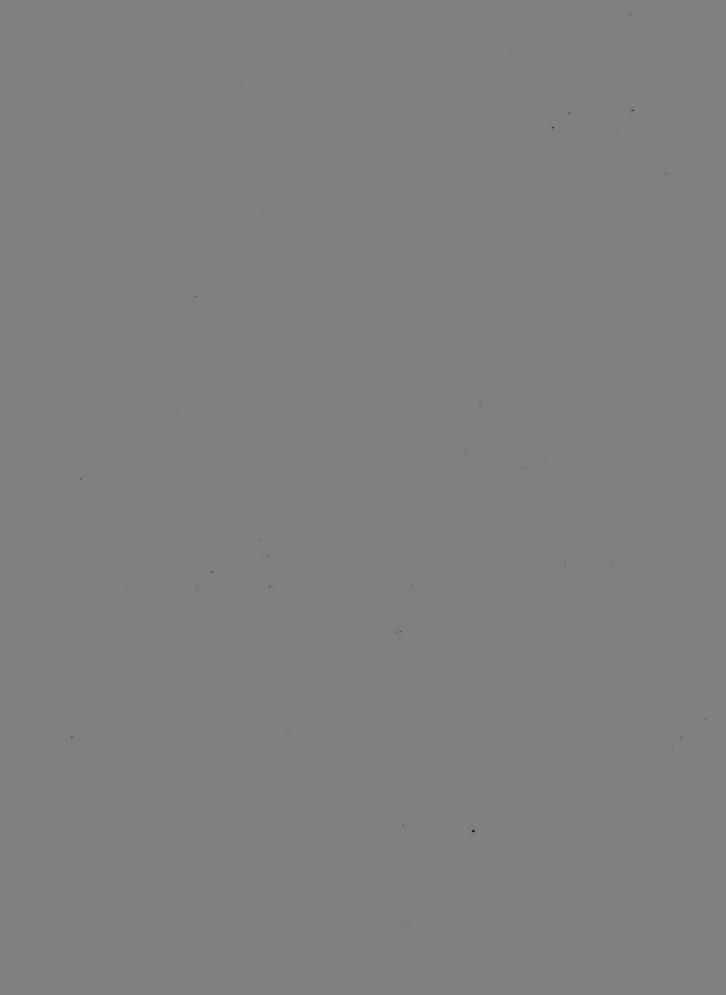
Detenutration projects or now under variant Adams, Marshall Author, Decrease Bureau, Wordians, Dales, McDanaugh, Riffinder and Satewall countries. Were an is another tion formaticals will seen atoms of Talance, Barol Livingston Hannock Saffing, Julian and Vimilian countries.

## 4-H Club (Anders Fitting | ] Lewis For Pacric Show

Lore than 100 lands perpensenting some of the best projumed this man by the left fillians best this man by the left fillians best this came of the content of the set of the content the content that the fillians, for the content of the period of the content of t

"I go and girls who have followed operavor a charge production involutions in their projects are locking forward to a crifit when the lock, are consistent in the close of the addition have hopes of warning one or note of the TT regard point to the best looks in three departs places, beside Filabord, who we are rintended of the show.

The authors of the show is to center other tion of safficiant section in the value of those breading and reading modules which put lance on the mortest english and bring better prices.



## Co-C) Conterence To prend Full Day Or New Harr Fac

Secause of the general interest of all commodity groups in the an small conservation program, a full day will be devoted to discussions of the new plan when the Lith annual session of the American Institute of Cooperation weeks at the College of Agriculture, University of Illinois, June 15 to 19.

The AAA general session will start Friday maining, June 19, at 9 of clock in the Men's New Gymnasium where ample senting is available to accommodate as any as desire to attent.

Ha Ra Tolley, noting administrator of the Agricultural Adjustment Act, will open the session with a discussion on, "The Contribution of the 1330 AAA Programs to Future National Farm Policies." He will be followed by G. D. Thorne, director of the north central division of the AAA, who will speak on the conservation program as it affects the north central region in which Illinois is located.

The soil conservation progres and its long-time significance to livestock producers will be the topic of A. G. Black, which of the bureau of agricultural economics, V. S. Department of Agriculture,

H. C. M. Cast, of the College of Agriculture, University of Illinois will speak on "Illinois Production Trends in Relation to the Soil Convervation Programs"

The of wincon session opens at 1:30 with a discussion of the relation of cooperatives to production problems by Rarl C. O. th. president, Illinois Agricultural Association. Shifth will be followed by C. I. Jasness, chird, agricultural economics College of Agricultura, University of Minnesota, discussing agricultural adjustment is its relation to grain production. "The Farmer's Point of View," will be no scated by Ralph Allen, Delawan, Ill., farmer.

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## Farmers aring Against Cuilionhs of Grasshoppers

Parmers in different sections of Illinois are preparing for a grasshopper wor, following reports that authorishs of this past are threatening crops in spotted areas throughout the state. Wherever the grasshoppers are thack, farmors will have to go into action with poisoned baits during the next two weeks white the pests are still small in order to prevent scrious damage of arcps, according to W. F. Flins that entomologist of the Illinois State Natural History Survey and of the College of Agriculture, University of Illinois. Use of possened bait will be profitable where the grasshoppers are as thick as 15 or note to the aquare gard.

Either the older form of sweetened poisoned bark or the newer oil built will effectively cheek the grasshoppers. The sweetened bark is made at the rate of 25 counds of cheap bran, I pound of Paris green or white presence 2 grants of collasses and 10 or 12 quarts of water. The dry bran and the puison are investigated theroughly, the object being to have some of the poison on every particle of bran. The mosasses is added to about a quarts of the water, and after this has been mixed the last d is poured over the bran-poison mixture and the whole worked until all the bran is moistened. Enough water, about 3 to 10 quarts, is then added so that the mixture will ball in the hand when presend, but separate readily when scattered.

The cil beit, which is superior in some respects, is made the same way as the sweetened bait, except that 2 quarts of cheap lubricating oil of 3. A. E. Corplaces the water and melassus as the wetting agent and attractant. No water should be used to the oil bait.

The boat should be apread at the rate of 10 poinds to the acre in areas where the grasshoppers are forcing. It can be scattered with an end-gate cats seeder or a tim-horn grass seeder of can be opread by hand from herbelack or on foot. The bait should not be put out in piles or rows, but should be scattered evenly and thinly.

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Timely Notes for Farm Advisers and others from the Agricultural College,
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Volume NIX

Murler '4

## Meting! From Le der Will Bo () Institute & thering

Agricultural landers from every section of the ration and representing every phase of the far one! It wrative moment have been scheduled to address sections of the American Institute of Cooperation at the Callege of Agriculture, White maity of Illinois, June 1 to 19, according to H. C. M. Char, head of the agricultural economics department of the callege.

Marketing really, interesting I trule policies, transportation levelorments, converstive form are intend agricultural adjustment will be presented in eight
general sessions from the vivey intents of the technical relyst and the carmer.
The program has been so an inged that confer not groups may study the data excepted
in denotal sessions as colleted to the incivitual error lies on which the group is
interested.

The first was all mension, Mening, June 11. Novoted as marketing problems will be presided over the J. J. Teber, websit a, C. . . . ter of the Setting Groupe. Included on the regres will be a. A. Foung, Decetur, chairmen of the institute; M. W. Thatcher, Washington representative of the Farmers! National Grain Corporation, N. G. Williamson, New Orleans, La., president, Alerican Cotton Cooperative Association; N. J. Allan, New York, govern compact, Intianal Fruit and Very table akkingte, and G. W. Holman, Washington, D. .. a case of the institute.

Chaster C. Davis, commistrate of the AAA, after spending cover 1 menths in Europe studying cratet conditions, will discuss European outlets for fame reducts at the Henday evening can rate cash. A. C. C. He la Chicago, resident of the American Fame Three a Feduration, will appear over this session which will also incluse a Survey of international trade problems as libustrated by wheat, presented by C. W. Feterson, Calgary, Canada.

Transport tion problems will be introduced at the Luceday general dession by J. P. Eustman, W. slington, D. C., bransportation deordinator, Interstate Commerce Commission. He will be goldowed by D. and down, Oniongo, Transportation Association of America; L. J. Spinsey, Chicago, no. one counsel, Mathemal Livestock Matheting Association; and M. F. He cuscen, proper or of marketing, College of Agriculture, Cornell University, Ithron, N. Y.

Wednesday's general see the will be desorted to fundamentals of a operation with Dean H. W. Monierd, College of Agriculture, introducty of Illinois, therman. Species include Donald Kirkpatrick, general counsel, Illinois Agricultural Association, Chicago; Karl Loos, Washington, D. C., and C. C. Teagne, Santa Paula, Cal., California Fruit Growers Exchange; and C. E. Hurf, Chicago, president, Farmers! National Grain Corporation.

Peoperative i'rs cradit will occupy the Toursday morning general a scion with F. W. Niemey r, general agent of the Farm fredit Administration of St. Louis, presiding. Species will recorde correction as of the FRA in Washington. Thursda, evening a general session devoted to enother phase of international trade all feature I. R. Idrinater, of the Department of Coute, Washington, D. C.

Pride to senoral sessions will deal with agricultural adjustments and the oresoil conservation apparent. H. R. Polle, acting administrator, AAR; G. .. Thorne, director, rorth central region, AAA, A. A. Ilaan, chief, W. .. bureau of agriculture accommiss: S. B. Josnacz, College of Agriculture, University of Minnesote, At. Taul, and H. S. W. Case, Pollege of Agriculture. Theoreticy of Illinois, are schooled to discust wiferent that a of agriculture of Agriculture.

## For an Spends t For Sent of His Time Ashy From Form

Farmers areal but do per cent of their time away from the form in such activities as trading and visiting, reports F. H. Linastrom, rural sociologist, Callage of Agriculture, University of Illinois, in bulletin 415, "Forces Affecting I relative tion of Farm Prople in Rural Organic tions," recently sublished by the called a crimality I experient station.

Covering. I ferm families located in four townships in the delegrate are of Champaign and Macon counties, the study shows that are off-the-ferm time is grant in trading than for any other one are one. Next in a container in count of time stant are trips to attend receitings of the church, for burning algebraic, 4-H clubs and form cooperatives.

"Rurel communities must be provided with Three basic services in the meeds of the people of these communities are to be adequately met," the billetin states. "These services are advantaged definitely directed toward the enhancement of rural living, the edvancement of the business and professional interests of form howeverhours and the festering of religious interests.

Programmations must be mounted to definite endo in a mount one to the record a in and support them. This properts that are no mill artically give norm in a contensual out to those school areas me which train their children adequately for numbering and to those church activities which are not better human relationships in the event day like of the combe and to the size time errors activities which are time errors as strictual welich and cord and wrequent.

"Those business and educational eramigations will obtain the most ever out which bring the could together in a machinum unning sroupe and supply index, tion and services that will most effectively propose the well-are of persing and for the life."

## 4-H John Institute Is se H 13 At Loke Blem ington

With wore then 1,500 Illinois i multiple and girls are total to extend store, district and county 4-H blab camps this year, arrangements have been right for a state wide 5-H camp institute at Into Floomington, Floorington, Sune . To us, to the self-leaders in camp management, it is no orthology Mias Mary A, MoHee and E. I. Tillhord, extension specialists in junior slub wors, College of Agriculture, University of Illinois.

Last over 1,10% bays and wirls area 31 Illinois nounties were a gratered in 148 camps, Filebord reported. A much larger master in engaged this pear since a waser or sounties are planning camps for the first time. Sounty comes acre conducted by Christian, Karadase, Rendall, Last, Macratin and Labelle counties last pear in addition to the state and district course.

In training local and county 4-H leaders to save an oraz stalls, the institute at Lake Ploomington will center discussions and deconstrations from such
phases of samp administration as some sites, buildings and finance, health, waterfrom,
coup manus and embly a of social respection, handicraft and oraculated thes.



## Facts Disprove Many Surerstitions About "Mad Dogs"

Although the once dreaded "dog days" are just shead, more cused of rabies, or mod dog, occur during the spring winths than during the "dog days" of July and August, reports Dr. Robert Graham, chief in animal pathology and hygiene, College of Agriculture, University of Illinois.

"In fact the law point in rabies cases comes in July and August with the peak during spring months," Dr. Graham said. "Since the first of the year, 53 dog brains have proved positive to robies in tests made at the college's laboratory of animal

pethology and hygiene.

"Probably no disease has been the bacic of any greater number of superstitions and erroneous beliefs than rabies. Rather than depend upon such follocies as the curative effect of mad stones, the negative reaction of superstitious signs, a

person who has been bitten should seek medical attention at once.

"At present no cure is known for rabies after symptoms have developed. The Pasteur treatment, if completed before symptoms develop, will prevent rabies in 95 per cent of cases in which people have been bitten by a rabid animal. The period between the time of infection and the development of symptoms ranges from 14 to 30 days. Longer incubation periods are rare.

It is erroneously believed by some that it persons are bitten by a normal dog they are likely to become rabil if the animal should contract the disease at a future time. The baliva of an animal is seldom infective for a longer period that it down a right to the state of the seldom animal seldom infective for a longer period that it

drys prior to the time the animal shows apaptoms of the disease.

Another fallacy is the belief that if feathers are stapped from the breast of a living bird and the denuded area applied to the wound made by a dog bits, the fowl will die if the dog has rabies. Dr. Grahm, points out that no matter how rabid the dog might have been, the chances are the rowl will live. Medical attention and advice should be sought, he says.

Heat, lack of water or putrefied food does not cause rabies in animals. The only cause is an infective virus found in the saliva and other fluids and tissues of the body of a rabid animal. Only occasionally is a rabid animal afraid of water. They frequently seek it and try to bring.

Mad dogs do not always from at the mouth, nor is framing at the mouth a certain indication that a dog has rabics, for other diseases exhibit this came symptom, Dr. Graham stated. Furthermore if infectious saliva gets into the wound of a long-haired dog, it will centract rubies just as will a short-haired dog.

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## Farmers Pay Out 62 Cents A Head To Keep Poor Cows

Paying 60 cents for the privilege of feeding, milking and coring for a cow was the experience of a number of Illinois dairy farmers last year, reports 6. 3. Thodo, of the dairy department, College of Agriculture, University of Illinois. Anory and 1.,470 cows owned by members of dairy herd improvement associations and on test for a lib-month period were 224 which produced less than 150 pounds of butterfat for the year and which therefore cost their owners money. These low producers lacked in costs on the average of paying for their feed bill, to say nothing about meeting other costs in milit production, Rhode said. On the other hand, 252 cows in the group on test averaged more than 500 pounds of butterfat and returned an average of \$130 above the costs of their feed bill.

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COLLEGE OF AGRICULTURE UNIVERSITY OF ILLINOIS

Timely Notes for Farm Advisers and others from the Agricultural College, Experiment Station, and Extension Service

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## Chinch Bugs Thriving, But No General Panage Likely

While general langer from chinch thes is not limply in Illinois this year, your ties have commanning for the est two we as in the restrict peart of the state, r. orts W. F. Elint, edici entomologist, Coll = sucredition miverally of Illia-

nd the Illinois Latural History Survey. "Telent surveys indirets a state sed interestion of champh bugs in a year, jarticularly over the control and southwest central auto if the state, " First said. "In this are fire I to Top re-int at the energy fields and - words bugs to cause slight to erious than a troopen dopining these fields at who time of wheat carvest.

"If my mostler continse, it will pay to metal the wheat fields, as bangious will be no ded it some case if corn adjoins the the

No leferal or state appropriations will be a call paint gent for the purchase of arterial to erect chirch higherines, a crossing to a repont just issued by . The this year for the purthe at the main in high control complete.

Fill disections for the construction of and use opermosors pages benefits is contain it is circular 481, "Fighting the Chinch Bos on Illinois Harms." Obples of the single may be obtained without cost " writing to a " College of Agriculture, at Urbana.



### Proper Strawberry Bed Renewal Sound Crop Insurance

The relatively short strawberry crop in Illinois this year, in the cpinion of A. S. Colby, chief in small fruit culture at the College of Agriculture, University of Illinois, can be laid to the unfavorable seasons both this year and last year and the fact that strawberry growers generally have not practiced fertilizing, spacing and watering plants.

The most commonly grown small fruit in Illinois, strawberries have a commercial value exceeded only by that of apples and peaches among all fruits. Latest reports show 7,800 acres devoted to commercial strawberry culture in the state with an average annual production of 9,700,000 quarts valued at approximately \$1,143,000. This annual production could be increased four or five times with proper care, Colby believes.

Early summer, as soon as possible after the crop is harvested, is the best time to renew a strawberry bed, he stated. Practices which have been found practical in renewing a patch are described in a new circular by Colby, number 453, "Strawberry Culture in Illinois," which has just been published by the college.

After the bed has been cleaned up, the next step is to thin out the surplus plants. Procedure for both operations is described in the circular which may be had by writing the college at Urbana. As a further step in the renewing practice, Colby recommends spreading a coat of well-rotted manure on the soil and cultivating it in around the plants that remain or a commercial fertilizer may be drilled in or carefully applied by hand near the plants.

"In the absence of adequate rainfall immediately following renovation, irrigation is extremely beneficial in starting new runner plants," he said. "Early rooting of runners makes for a heavier fruit crop the next season."

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## Electric Service Means Bigger Returns For Poultrymen

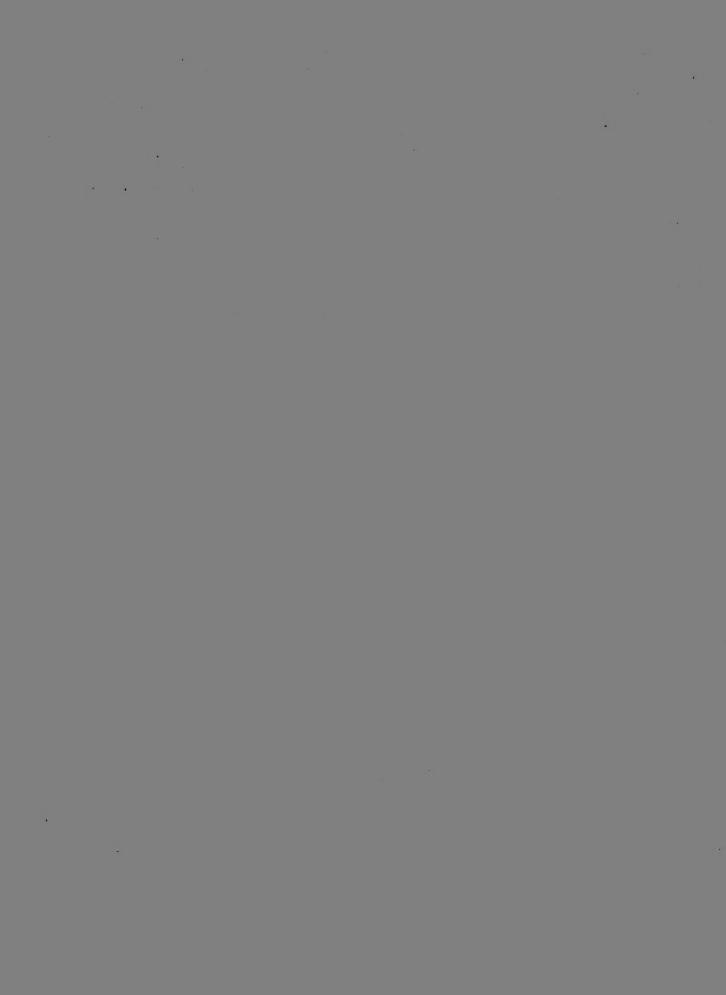
Farmers who are anticipating the extension of electric service to their tarms as a result of newly launched rural electrification projects stand to profit by the installation of lights in the poultry house.

Experiment station results have shown that either morning or all-night lights in the poultry house will stimulate egg production and increase returns. In a period from October 2 to February 5, a 46 per cent increase in egg production was noted in flocks with all-night light over flocks without light. Production for the two flocks, handled similarly in all other respects, averaged 57 eggs for each hen in the lighted house and 39 eggs for each hen in the unlighted house. Pullets in the lighted house consumed on the average three pounds more feed for the period than the other pullets.

"A 15 or 20 watt bulb provides ample light for a poultry house 20 feet quare," said H. H. Alp, extension poultryman, College of Agriculture, University of Illinois.

"A light in a poultry house in winter months is like a dim light in the hall howing the way to the kitchen pantry," he continued. "Six hours is all that is remained for food to pass through the chicken's digestive tract. The light does not interrupt their sleep and permits them to eat when they get hungry. On long winter lights chickens are likely to suffer from lack of feed, and egg production is reduced.

"Besides lighting poultry houses to increase egg production at periods of egg prices, electricity has proved practical in incubating and brooding."



Vol. XIK--W. Pb

## Foring Range Feeders Gives Floor Chair "Inblectoth"

A clear "tablecloth," one of the been to coultry conitation and control of discers and conveites, con le provided unity for culture in the surface of course the range factors we saly, though they not be moved only a few feet and thuc, according to a my circular install by the Collage of Agriculture, University of Ill and a entitled "A Narrael for 4-4 Forttry Clu Marrae."

Emerganching H. H. Alp, intension will grow, and H. I. Thichard, extension specialist in furior that rook, the manual covers the ratio facts and into gains the 2,500 medices of 4-H club who are constituting onlying majority in Tilinois that proc. The rection devoted to fundamentals of oultry production and the special contribution are form thom of value to positry refers in meanual.

form tion of value to positry referred as scaled.

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In addition to a fine major of more titrapettend solar, the circular alorecontains precions contains a rections on the control of fine described in the circular about the circular about the college of Agriculture at Mahana.

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## Country Youth Brown o To Hold Meet At New Salom Park

An oll-state country youth day, first of its ind to be held in Illinois, will be observed Survey. June Oll at I we Saled State Farm, in II nord country, he as untry young eo lets around countrying out the group of "Illinois," depocing to Chao Fitzsitions and G. S. Randall antension appointing in junior old more. College of Agriculture, Vaivannity of Illinois.

Young the orless groups from Woodford, Montsomery, Livington, Onangiga, DeWitt, Taravell, Mason and other counties are making than to attend. A secretal assembly of the groups is scheduled for 1 (0 a, 1), non-the or emean. Build address total be made dealing with the history of the Lincol country and the develogment of Min Saler. State Form.

"Unow Illinois" is one of the projects being corried on by such pounts of the grows in several Illinois sounties in cooperation with fore and how advisers and the extension service of the College of Asriculture.

"The projectia designed for those rural young people who have the initiation and the desire to show more about the history, development and coints of information their own communities, counties and state," Randall asid.

"Among the objectives of the softwity is the development of an expression for the accomplishments of most gen retions and the shillty to evaluate the cresent."

As the project advances, it is also need that other state arms and coints of interest throughout the state will be studied and visited.

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# Purel Young ten Given New Jenture In Tair Language

Illinois power on the object of table fauricant, in Tife enclosed been becauseding out on a new disk of adventure to depoint oney by a. Decemble, or order as acialist in Junior allowable, Toll good Agriculture, Triv storm of Illinois, is announcing a new tracket, "Union Your Farm," designed a seably for runal group soult. To be exprised as through the adopt a coincide as and local form is an order.

To be described on through the origin quirtues have lated formed an expension recover of the extraphramal culled to the memographic chiefs will show be under many in countries having our lapsurated for the product of the former accounts legal describation of the former because of and then many and notes which mall be consight too them an the former of a memory of the called form.

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# Now Attach Laurehait Associate societar Richard Rosses

In the effort to open with nines from the \$4 \ 1 \ 1 \ menth of a selection of eggs now or since a annually in Illinois farms, which has the logists and politogram of the Tola a or Assignification (Main that, or Illinois save got the menth a tem attropy upon you lite contains logists. At the exercit tips monthing in farm flores owns from 10 series to the high as 50 mer can in time ower.

If ser cent we on high as 50 per beat in the cases.

"A project will to stanted," manuaged Dr. Retent Graham, which in order pethology and appiers "to determine causes of positry contaility in commercial and farm flocks in Illinois, so estimate are alense and significance of no ltry itsesses in the state and to extent, device and emphasize preventive measures.

"Effective measures for the control of disease decend upon cooperative entort between the flock owner the local veterinarians, the diagnostic laboratory and lives stock canitary officials. The problem of diagnosts can best be handed by the local veterinarian. However, during the past four years, only 12.7 per cent of the 6.800 autopsy sections sent to the enimal pathology laboratory at the College of Agriculture had previously been taken to a local veterinarian. It is noted that the new project will demonstrate the value of cooperation between flock owners and veterinarias in hygiene, diagnosis and disease control."

It is planned to hold schools of instruction and demonstration, or coultry diseases for interested groups of veterinarians and flood constraint averal districts of the state. The schools of instruction will be developed in cooperation with the Officers of the local veterinary associations and the demonstrations in cooperation with the farm advisers and veterinarians.



#### Heavy Investment In Farm Drainage Systems Neglected

Although Illinois farmers have an investment in public drainage systems and private drainage improvements estimated at \$150,000,000, this investment in recent years has been taken for granted by the average farmer, and the maintenance of drainage improvements has been neglected, says H. D. Fritz, extension specialist in agricultural engineering, College of Agriculture. University of Illinois.

"Proper maintenance of drainage systems is especially urgent now if farmers are to make the most of the soil improvement practices advocated under the new soil conservation program," Fritz said. In the new program legumes occupy an important place, and these crops must have a well drained soil. Application of limestone is another practice recommended in the new plan. To be of maximum benefit in making a good stand of legumes possible, limestone applications must be preceded by good drainage.

"Individual farmers can improve and aid in maintaining their farm drainage systems by careful inspection and correction of any defects that may be present," Fritz continued. "Most damage to crops from lack of drainage will be avoided if the outlet channel into which the drainage system discharges is open, is large enough and has sufficient fall to carry away flood water and surface water."

An inspection of the tile drain outlet will reveal any damage by freezing and thawing, erosion, silting and stoppage by any cause. Surface inlets and catch basins also require periodic inspection. Fritz recommends that each farmer learn the location of his tile drains, as he is then better able to check for sink holes and wet spots.

"Greater productivity from highly fertile lands that previously were thought to be worthless has proved the effectiveness of the drainage systems," Fritz said. "Maintaining the drainage systems will aid in maintaining the productivity that has been obtained by drainage."

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#### Gardeners In Thick Of Annual War With Cabbage Pests

Illinois has no plague of caterpillars such as has been reported from Canada, but with the advent of warm summer days there are other pests against which the annual war will have to be waged by farmers and commercial gardeners who raise cabbage, cauliflower, broccoli and similar crops. While not abundant now, insects attacking these crops are expected to increase in numbers later in the season, according to entomologists of the College of Agriculture, University of Illinois.

Most common insects causing damage at this time of year are the imported cabbage worm, cabbage looper and diamond-back moth. Injury from these insects can be prevented by dusting or spraying with derris, cube or pyrethrum, according to a new circular, No. 454, "Diseases and Insect Pests of Cabbage and Related Plants, Their Identification and Control," which has just been issued by the College of Agriculture, University of Illinois.

"Derris or cube are at present the most effective of the non-metallic poisons," states the circular, written by L. H. Shropshire, field entomologist, Illinois State Natural History Survey, and K. J. Kadow, associate pathologist in the college's department of horticulture.

"These two insecticides have the dual advantage of being highly toxic to certain insects such as imported cabbage worm, cabbage looper and diamond-back moth and relatively harmless to man. Against cabbage worms the materials are most effective when applied as a dust during the late afternoon."

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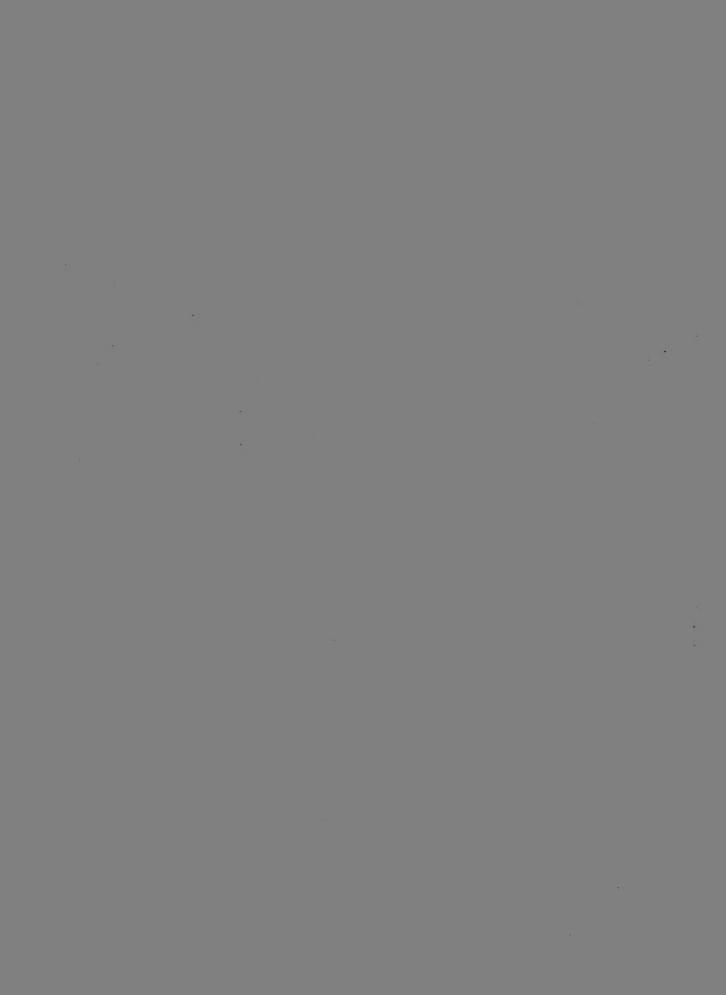
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The morning is already on measures in For . Brooms, Franklin, Hamilton, Jefferson, Clinton, Payette, Morrae, Doualed and Piath o Lution. It is enticipated that similar ourses will be atomica in other Illinois countries in the mean duture, accomping to G. S. Fordoll and Mica Clea Fitabingons, Intercion operiolicis in jugico club work, of the agricultural of lives, who are directine two surveys.

Bursh your adults are to see who are not attending sound on a lines, who are no langur clicial. For 4-H club activiti a and who are not married. It a sublic cient number of thes growns people in any county are not resolved by ong program, to a will be gardated in winging out a program of their own, Eardell ateta . The energy will serve to prevert duplication detivities which are being according to the

"In the most those yours adults have been more or lion test at all since the were too old for 4-E club work and not yet ready for other performs of actual by the extension pervice " he sail. "The mural yeath organizations as a william of will rese. vide them with an egyprobunity is now losem or exception well society as emission to minimum amidance, they will be able to direct their own a consent orreunity automitic with it the dominance of commorcial inter stat!

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Timely Notes for Farm Advisers and others from the Agricultural College, Experiment Station, and Extension Service.

Volume XIX

July 8, 1936

Wanber 28

#### Miss Lita Bane Is Maned New Head Of home Economics

Miss Lite Bare, eminent home economics authority educator and writer and formerly a member of the university staff for five years, will return September 1 as head of the department of from economics in the College of Arrical case, University of Illinoi. Her agree haven as processor of none economics and as vice-director of some economic extension, as well as head of the defartment, has just been approved by the board of trustees upon recommendation of Prognant A. C. Willard and Dear H. W. Mumberd of the agricultural college.

At cresent Mich Bank is in Washingt H. C., serving as collaborator in parent education for the Matricial Crimital or Parket Bancation and the extersion service, M. S. Department of Agriculture.

She succeeds Mark Atth A. Pardall, head of the desgrtment since live, who recently resigned that contion because or ill health. Pres Synth Woolr fir, raief in foods, and then serving a second head of the department.

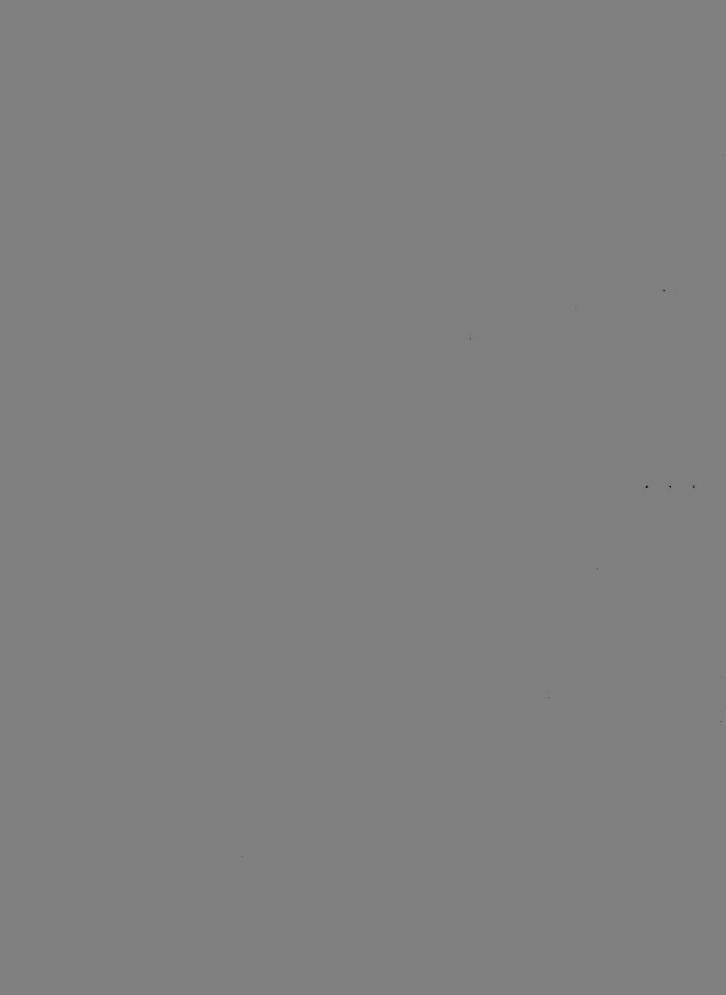
Miss bane was the maximons reside of a committee selected by Don Muchon to advise with him ment to election to a could be a Merodon of the committee were Prof. H. F. Rock, head of the discount of animal hosperior, who have a study the executive committee of the nerical couldings; Ica. Maximum Val. Askn. Bruce, state leader of home economics extension, him Mary J. Whitlook, assistant cross of home economics, and Miss Hurrier T. Finder assistant crosses of distotion, who were selected by members of the adjunctions of home economics of the mans of assistant propriessor or higher.

"Outrade the university, as well as within our own stair, the preponderance of opinion was that Mish Bane was the most logical person in the United Stairs for the position," Dean Mimford east. "Hing a native of Illinois, an Alburg of the university, an eminent authority in her field and one who is acquainted with cause affairs, she is admirably an ted to the cosition."

Miss fame was born and reprod on a farm near Dans, LaSules county, and was graduated from the University of Illinois with the degree of standards of refered in home remains in 1915. She obtained her master of arts degree from the University of Chilado in 1919, and later. in 1925-25 continued her graduate studies both at the University of Chicago and at Tolumbia University. She that a settled about a leader of home deconomics a state in the lands from 1925 to 1925 served as state leader and as architant refessor to home deconomics.

She left Illiania in 1923 to serve for two year as executive secretary of the American Home Economics Association, Washington, C., and then for the next four years was a member of the staff at the University of Wisconcin, Madison, serving first as assistant professor of nome economics and then as associate professor in charge of university extension in home economics and health. While a member of the Wisconsin atoff and following her two-year term as secretary, she served for two years as president of the American Home Economics Aspeciation.

In 1929 she struck as associate that of the Indies' Home Journia



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#### Madows and Oats Fields Come to aid Oi Dry Fastures

With the drouth resulting in a sportage of pasture in most sections of ICHInois, E. T. Rothins, livestock extension specialist, Oilhers of Agricultume, University of Illiania, states that farmers are turning livestock into meadown and orth rielis.

"Some waste results when livestock are turned into tall growths of clover or mixed clover and timothy, but the stock will harvest a crop and new good as of it," Robbins said. "When the regular hay lead is used in this manner for pasture, the usual practice is to decend about oppleads or outs for hay.

"Onts on, when they start to form read owners good quality hay said o good acre yield. With oats as cheap as they are, they all ray tester for hay or even for

pasture than they will for cutting and threshing."

Many fields of alfalia and red clover and also of mix d cloves sud timothy already have been out for hay in various sections of the otite. Subsequent rowth ordinarily would be used for may on in some names be hereafted for sect. However, if stock is turned in to grade whatever growth may exist. Tolking otate that is notally pays in such an emergency as a inputh.

When for guest rause more land is included in the farmer task its else, it often hoppens that rain, laser on produce more than the normal about if grading lave

in the season.

"This extra past we crop out to handled by the stock if they see left or grass longer," Robbins slid. What Illinois rapmers consider the wave of the past of a post along in October. However, when a considerable growth of grass or lagumer is tail left upon the land at that time, the stock out make good use of this for the ly grading on into the winter months is nearly an ord out; actual the ord."

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#### Whene Cleaning a payment Store Mercy Degrading Loop

With the approach of the Illinois wheat horvest which releases and 33,075,000 hashels valued at \$20,766,00, farmers are turning to all to cleaning a coreation entiquent in an effort to protect the quality of the crop and malus in its market value, reports J. C. Facileman, crops extension specialist, College of Agriculture, University of Illinois.

Six portable send cle ming and treating machines the new available in southern Illinois as a result of a wheat improvement program being carried on in that section through the cooperation of the Illinois and Indiana millers, local Jaru admissers and the extension service of the paricultinal college.

"Farmers who take giventage of these modern seed clearing modilies are setter able to market their grain without having it degraded because of the presence of indesignile realizes," Habrieman said.

Lest peer 97. carloads of wheat from Edwards. Galestine Lawrence, Tokesh, hite, seclicen, Madicon, Monroe, Randolph, St. Clair and Union counties were garded own because of mixed wheat, smutty wheat, dockage, garlic and onions, he stated.

"During 1950 and 1956 the financial loss to wheat producers in three all ounties because of the present of garlic alone amounted to more than Sig. ..., see denting a discount of 5 cents a bushel," Hackbeman said. "Was of seed that his equipment will largely arrive to such longer in the fature. It is hoped to to a number more achieve will be added this year not only in southern Ilrinois, but also in other sections of the state. The equipment also can be used to clean and treat pate and badley ad clean spybears."



#### No Trend To Decentralization Seen In Meat Packing

Poubt if there has been any time in recent years when control of the nation, meat-packing industry was less decentralized than now, is expressed in Illinois Farm Economics, a monthly publication issued by the department of agricultural economics, College of Agriculture, University of Illinois.

Pointing out that decentralization in operation should be carefully distinguished from decentralization in ownership and control, the sincular stated that the trend is clearly toward objection of control, lessely, references to decent this metion which continue to be neard.

Recent acquisition by Armour and Company of a natural of plant, revisedly independent, among them the important Decker plant, at Mason City, Is., is orted as evidence of the centralization of control.

Financial reports made annually to the Packers and Stockyarla Division, Bureau of Animal Industry, U. S. Department of Assiculture, show an increa so number of concerns slaughtering livestock in the United States up to 1970. However, since that time the number has lection i.

"While this decrease in order of plaughtering concerns might result either from sale or liquidation, it is known that numerous concerns have sold out to others already in the business," the circular stated.

"Distribution of earnings by meat packing industries is obviously significant. In 1988 the 1- largest concerns showed 90 per cent of the total net profits reported by all slaughterers. In 1984, the 1- largest concerns slowed 34.8 for cent of the total net profits."

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### Drouth Increases Panger To Stock From Plant Poison

Danger of plant poisoning which annually kills a million dollars! worth of Illinois livestock grows greater as the extended drouth adds to the poor pasture condition of mid-summer, said J. J. Piejer, associate professor of crop inclusion, College of Agriculture, University of Illinois, in warning Illinois farmers against pasture practices which fail to take coisoners plants into consideration.

"As restures get short, livestock will eat almost any vegetation, including such poisonous plants as black night chade, white snake root, water hemlock, whorled milk weed and jimson weed," Pieper said.

"To prevent serious lookes of valuable livestock, the poisonous plants should be eradicated or the animals kept away from them," he continued. "In following either of these cractices, the farmer must first be able to recognize joisonous plants when he sees them. The local farm advisor can assist him in becoming acquainted with the more common moisonous plants or he may send any suspicious specimens to the Gollege of Agriculture at Urbana for identification."

Pieper particularly warned against the practice of turning livestoch into vegetable gardens or throwing weeds from the vegetable garden across the leads to hungry animals. A cultivated place, rich in soil fertility, is ideal for black night shade, he explained. The plant is also found near old straw stocks and fence rows of cultivated fields. White makeroot is found in timbered area and water has lock in damp places.

The practice of permitting livestock to graze the Collage of treed is also fraught with danger, he pointed out. Treed such as backeye, wild charry, locast and Kentucky coffee tree are poisonous to livestock. He also warned against tribuling larrel, like and other decorative plants and feeding the transless to Livestock.

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Timely Notes for Farm Advisers and others from the Agricultural College,
Experiment Station, and Extension Service

Volume XIX

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Market 19

#### District Meets Challenge Best Efforts of 4-H Girls

Formeing their attention has nine office in Illinois, more than by 4-H club girls of the effective a rly amaiting the third week in July. With their district contests, the last attention to the State Fair, ach called at these nine points in the atte, 4-F accuracy vineers in health, in them descentration work, in clothest judging and in occulate outfit exhibits are coming together for a final show jown.

One of the ellipse of the state for winners only," will come the lucky representatives who will not taken not stold the State Fair, and their next content the high point of their 10 1 4-H old pear.

The right in trust center as scheduled for Tascola, July 21, bringing together Vermilen, Charlien, Plant, Lacon, 31, 1by, Moditice, Cross sland, College Douglas and Edwar counties, recording to Miss Mary McMet, extension specialist in junior club work, College of Agricolture, University of Illanois.

junior club work, College of Agricelture, University of Illumois.

Meeting at Olney, Taly 10, wall to county air and from Clerk, Oranford, Juster, Efficulture, Foyette, Chey, Wayne, Richloni, Indicate Liwerto and Websileounties.

Herrichtung has been scheduled to the mesting class for Herritan. With a Williamond, Soline, Gell tin, Johnson, Pope-Handin and Mostre requite a na July el.

On July 14, St. Chair, Home .. Varhington, Jufferson, Runalph, Farry, Jackson, Vion, Aler nder450 to the Franklin counties will cone tog ther at Inducia. Faue ribton wirners from Calhena, Gre ne, Jersey, Macogain, Madison,

Montgomery, Bond, Clinton and Marion counties will compete at Edwardsville, July 25, while Fonties has been named as the meeting place for representatives from Marshall-Putnam, Woodford, Tasemell, Logan, DeWite, McLean, Livingston, Mankakee, Iroquois and Ford counties on July 27.

July 16 will see the finalists for Alone, McHenry, Inke, Cook, DuFage, Kane, Dallal. I.Solle, Vendall, Francy and Will counties meet at Moneya.

Kane, Dollal, L.Solle, Rendall, Grundy and Will counties meet at Jeneva.

To Paviese county will send its contestants to Dixo. In J. by Co., se mill Stephenoon, Tirmstago, Ogle, Jarroll, Whiteside, Lee, Rock Island, Henry and Bureau counties.

Galerburg will be the scene of action, July 29, for girls from Mercer, Henderson, Wester, Enox, Stark, Asoria, Fulton, heDonough, I mades and Mason counties; while Jos rowille, July 31, will see the last district contest with entrants from Adams, II +, Enown, Schoyler, Case, Herend, Christian, Sangaron, Margan and Scott counties.

Also preparing for the State Fair, will be 75 county dress revue contestants, according to Miss McKec. While dress revue contestants will not compete at the district contest, they will receive the small suggestions on their outfile, and each contest sincer in this event is being word to attend his district unit. e e e e e e e e e e e e

#### 5,000 Acres of Rybeid Seed Corn Growing in Illinois

With more than 5,000 acres of hybrid seed corn being grown in the attate this year, Illinois farmers should have a supply of hibrid seed for most year four or five times as large as was available for the present meanon, states J. C. Hackleman, crops extension specialist, College of Agriculture, University of Illinois, and secretary of the Illinois Crop Improvement Association.

Fields of the more than 150 hybrid seed corn producers of the state will be visited a number of times within the next few weeks by inspectors representing the crop improvement association which cratifies the good before it is offered for sale.

Before starting on their inspection towns, the inspectors attended an intensive two-day school of instruction recently at Urbana and Bloomington. These assisting in the school of instruction were C. M. Woodworth, W. J. Mann, George H. Dungan and Hackleman, of the agricultural college, and J. R. Holbert, senior agrenomist, U. S. Department of Agriculture, who had charge of the meeting at the Pederal plots at Bloomington.

In visiting fields throughout the state the inspectors will make sure that the hybrid seed corn is being produced in fields well isolated from other corn and that there is no evidence of mixture which would cause the plants to be distinctly off type. They will also make sure of the completeness, theroughness and timeliness of de-tasseling.

"The Illinois Crop Improvement Association is making every effort to insure farmers a high grade of hybrid seed corn," Hackleman said.

-11-

### Livestock Farmers Warned To Watch For Screw Worms

Illimois cattle feeders who buy their cattle cirect from southwestern states are warned to watch for infestations of screw vorm which last year were responsible for injury to more than 6,000 head of livestock in the state. Writing to this effect has just been issued by W. P. Flint, chief entomologist, Tollage of Agriculture, University of Illinois and of the Illinois State Natural Ristory Survey, and Dr. Robert Graham, chief in animal pathology and hygiene of the college.

"A determined effort is being made by the federal Bureau of Entomology and Plant quarantine in cooperation with the State Natural History Survey and the Illinois Agricultural Experiment Station to prevent screw worm infestation in Illinois where it is doubtful if the fly overwinters," They said.

"A representative of the federal bureau will work in Illinois this summer and fall in an attempt to check any possible infestation and to prevent the spread of the inject by thorough treatment of injected animals as soon as they are found. A close inspection is made of animals as they come through the regular chantels such as the stockyards at Chicago, Mannas City. Onaha and other places.

"Buyers of feeder cattle can have their cattle inspected before an ement by writing Dr. W. E. Dove, 1010 Travis Building, San Antonio, Tex. Since expectors are located at a number of places throughout the southwest, it takes only a short time to get inspection after Dr. Dove is notified. Any magget infestations should be reported to the local veterinarian, farm adviser or to the state entomologist, Urbana."

Screw worms may attack any warm-blooded animal, but most reported cases have been cattle, sheep, hogs, horses and dogs. In autilt divestork the most common point of attack is a wound. Batched from eggs laid in a weard, the taggets cenetrate sound tissue, sometimes destroying flesh until comes are laid base.

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Vol. XIX-10. 29

#### Dairy Manufact was Conference To Be Merchar 11-14

A welder until so become til honor of those Thinnis dairy plant in resentatives and officials who have served the dairy industry for 50 years or more is one of the factures of the manual dairy manufactures confinence, measured Horand vill to 14 by the College of Lyre litter, University of Illinois, M. A. Buth, A. dof the dairy hashoday feparement, announced.

In past year: the contentace has been held in Austrage. However, Ruche lists the special of cris, November weather ad an apportunity to see the Illinois-Ohio State football game as chief reasons for changing the date.

"Despite the blisteric and sed-gene weather of Jamussy, past conferences have attracted for the to 2: visitors from all sections of the United Section," he said. "We noticipate a such imager attendance this fall."

Opening any fill be invoted to regardrate a and discommon of problems pertaining to the operation of the dairy control laboratory and to the manifuly inspection or dairy plants. Market milk and these industries will be under consideration the mound day, with new cream and butter industries holding the lightly on the thord day.

Are agent its for being made to have a matronally recognized atlantity of speaker for the colors jobile bandet on the evolution of the Chard day, Friday, November 18.

Marks time problems of the dairy industry will be considered Saturday morning, with the conference adjouring in time for thos who desire to attend the annual Dec. ... Day football game totween Illinois and One State.

Table is a counting all cairy about convenentations and officials who plan to attend the Neverta conference to more expert time early in order that a gratiseast may be detailed for the restrict game.

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#### Carefully Solected and let Make Winning Distleys

With the approach of the senson for county and community folios, Lee &l. Somers, extension special list is vigotable gardening, Collings of Astriculture, Triversity of Illinois, victus that an exhibitor of vegetable garden products and loss to win the coveted blue ribion against works hill computition if he does not shown him years mens constituty. Other this settings goal, and veriet I characteristics considered, speciming vist the core intense or desper shades of color are preferred to those with lighter or differ shades, says for an in his new circular, Number 455, "V public Exhibitions, Their Planning and Proagement," which has just been issued by the agricultural college.

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#### Women Shoppers Given New Pure - Size Guide Eson 1 t

What a group of women went information on a subject two go niter it. That is the reason why a new little mode topm his toentilled, "Bout to be Valent in Textill a and Clothing," has just come off the one a from the Call what Addicalcum, University of Illinois and is being made available for any homematic in the date. The booklet, a pure-size handy guide for buying hospery, also to, and relation, and dresses, in the result of a demand by Illinois homemation to have a limble call.

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COLLEGE OF AGRICULTURE UNIVERSITY OF ILLINOIS

Timely Notes for Farm Advisers and others from the Agricultural College, Experiment Station, and Extension Service

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At the fire we at one one lessers will be a groupe trait in the Week's processes Lindstric is ramy in this F. .. Van Zarlt, in J dist, in can deam and Brank W. Smark,

for the model of the most of the column of t culture at Urbana.

# imenta-Fire Constitut Schools - Farm Sunagency t Tours

Crasting oni practice with last year brought of ut an in resse in cast income averaging \$730 for school to 1,630 Illinois farms on coating with the College of Agriculture, University of Illiance to kangana from account records will te pointed but in a series of turn management tours with the spins religy the ex-tension service of the parioultural culties in 15 llkings of the series.

Dartilin o unty nach t August 5 ag the defent i block at Mendell, August 15 Christian, Aremot 17; Senero n, September 8; Morram, September 17; Angles Edear, 11; White, September 14, Clark, September 10, Inspecie, September 17; end Edear, September W. Tefinite Antes for tours have not be a Tour tourn by Jo Devices, Carril, Rock Island, Honders A. Har Jik, Luceno, I.c., LaSalle, I daib, Grundy, Manshall-Potnam, Woodford, Livington Mal an, Tax well and Karkak - worthis.

The tours, which will be a charge of the last tem some erro, and planted by the extension pervious of the agricultural collection to the material and listing listings. afrection carnings for hill great types of farming that provide in these countless.



#### Farm Disting Repairs Problem Jesnife Lock of Coln.

Believing that the lest time to rend on the read is when the was shines and not after the rains start. E. W. Letman, head on the agricultural engineering aspects ment, College of Agriculture. University of Iblin is, an air our flat well is a month a distinct on them whate the nebrat the etation the mount was a line of a large section of ments

"The parchles is the week is as took at employed belowied, discussion, and legislative conditionation is were not a recalminate. "Ithmore to a "Illia in actions." 150 mille n Bollena Lam-ato de emitate end cabila ém endes me el mese mento es el colo example of the result of meets of etc. to common upon the screen as difference in invite by noture.

However, as in other edge of the transmit is an in a important to a company by lack to spintenant. We see which their will grow linearly to help the typic  $m_{\rm col}$  is tricked for the constant of the fine section  $m_{\rm col}$ 

To mortal to the second of the solution of the second of t have made a study of a took of the action of the images, approve to be a permission of the action of

isting laws (see on type table) for referencing the color specific to range 4 of strain (v. .). be valuable, he ledged to a first or the state to a like the consequence of the atmended development of the dimension and appropriate within the consequence.

## White Could Roomers Chang Somer Follows in West

In all trace of him activities which is some of how or non-continuous confidents as a confident of the SC, Consider on the confident of the confident of the confident of the confident of the two or affine non-confident of the two or affine non-confident of the confident of the

Rive him. Vieling a ristic, more exampled by the Write county exacts as, will be planted in the discussion of the will consist of an early freach or the various related secondally o

They will be imposed a for the problem of little on time, whoseposedely making at ressible to grace of the second or with anignal size of little for mating desired. have agreed to our gogs to be to righthin eyour period.

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The styles of the extension and her transmitting of the conty, and the extension of the conty. st to by the extension structure of the College of Archadoture, Criminalty - Illinois.

#### Brest Some one release take (thou Beach in a mine

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#### Summer Stains Vaniss Easily If Prings Mathile Take

Remarkable on if records this we or, consisted a consistent might colored summer cott has much, if his collet, use at least guarantes a color feat and who walls. Therefore when states and south make subscur landings were the family of thems, order work and the right new it a mile table a specify removal.

"Opits." saws Mics Elra Gray, consecution in the color of callst in account.

"Opits." and Mice Elre Prep, complete into account callet in looking, College of Assisting, Thire-matry of Illinois, "got proceeds the inthing ways if allow-ight remains in the france of any length of time."

Cites in no response to the consistency of a stain accommodated anyling, expense to the air, inching or massing in soft cater on require the resold a stronger chemical and thus may indure the rebrack teamers.

and thus may injure the rebrie, he warns.

"Many hors remailed us, he casa," copy Mins lawy. "The space office of the peculiar call manifold and offictly mental to not wat municipal to may be the snowly, or a bleach may be applied to be a compared many traces of the atom. In the sement will wash, when we termines a claim a little apparant on which call the contract and the remaining will take out appared atolog. He was, the sourcest on which call out of two may from all fires."

Carbon tetro ultria, to a nestral months of an equation again and expensive search to take out or an equal factor. The first step is to turn the same of wrong side out so that the most in the outside of the image all soft to rubbed through the fabric, but into a cirtle will has been pade down or the expension. The offin is denightly sponsed with a cloth a sea doin the solvent. A little telegral cowier agricult around the ease of the other allocation on the opposition of the empace, caps Miss Room.

Theming grow in in the multiplication leads to the floring the filtration of the growing the five a truck of ice, guaranteed library and

Boiling water crimen that i st rewilth them alone we sent he is spilled on the tablecloth. Blooching is a side is propaution if the material is write, but if cream has been used in elical plane, files Gray thinks it as i at the alost when the poots with cold water and then trues a clamber sutter.

with cold water and then try one class colution.

Egg cores of we could water is up to Fruit and crult guines, if the atains are fresh, will be a common or "cold-nway" what believes we tend to pour a tarroad the stain.

The ore restricts will for double attention becomes a they contain both playing and a green equations. The for oregon literal, my be converting cold mat a, but the homeraker must a sort to here the for a meving smult atmine a character, if the flavorings are left behind, for each the mattricture, play a constant effectively when some and hat water is made. The wave mind alcohol and amounts or a respectively may be used.

For fly paper, Miss Grop suggests must not tracil vile. From miles masts its match in exap and mater on a ur milk or inscitlation as a, but has miles in far along, nothing such our is in the same the factor, and filter brow.

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### Heating Problem In Apple Machine Attacket En I. . I.

ligher quality application consumers and each triable for a mers in most mare recently imposed appray conduct resultations are expects of a new cultatin, "heattra Systems for Apple-Washing Machines," just released by the College of Apple-Washing Machines, and the department of exposultance organization under the author.

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COLLEGE OF AGRICULTURE UNIVERSITY OF ILLINOIS

Timely Notes for Farm Advisers and others from the Agmentural College, Experiment Station, and Extension Service

Volume XIX

July ', 1 "

Mumber 37

#### Diversity Cushions In ath Ic of On Illiants Fame

Ever with late horsested errors in serious condition, anatures bere and gardens burned, Illinois far errortill hove an adventage over fareers in some their states where farming is less diversified.

This fact is scinted out in Itlinei: Fern Bernssies, a monthly publication of the department of agricultural else ics, College of Egris: ltura, University of Illineis.

"However, so between indivised i rus," the circular etates, "the one shook has hid any rior was good to its its organization on a nelling but the good ter aboying power in the face of handring."

Evily error promise injurity if inth milde and publish a winter wheat was generally good. The quality of sate adverby have regard, at realise an only indirect moments cannot be corn varies greatly, describing chirally spendice that it is a substant. The grown to expense in being seriously not rise, thus the stending the productive conditions the element.

Winter A let to a cheen of ill table into and eye is over a production for the plans 1987-31 or Flainnic, Indian, Table, I who all table may but are only to percent of ever a for the entire of arms.

since the filence of the later than a make armage are never distributed evenly, the firmer who suffers a partial a sort aid approximate the formation remainder of his are all will offset the loss on yield, together color am lains.

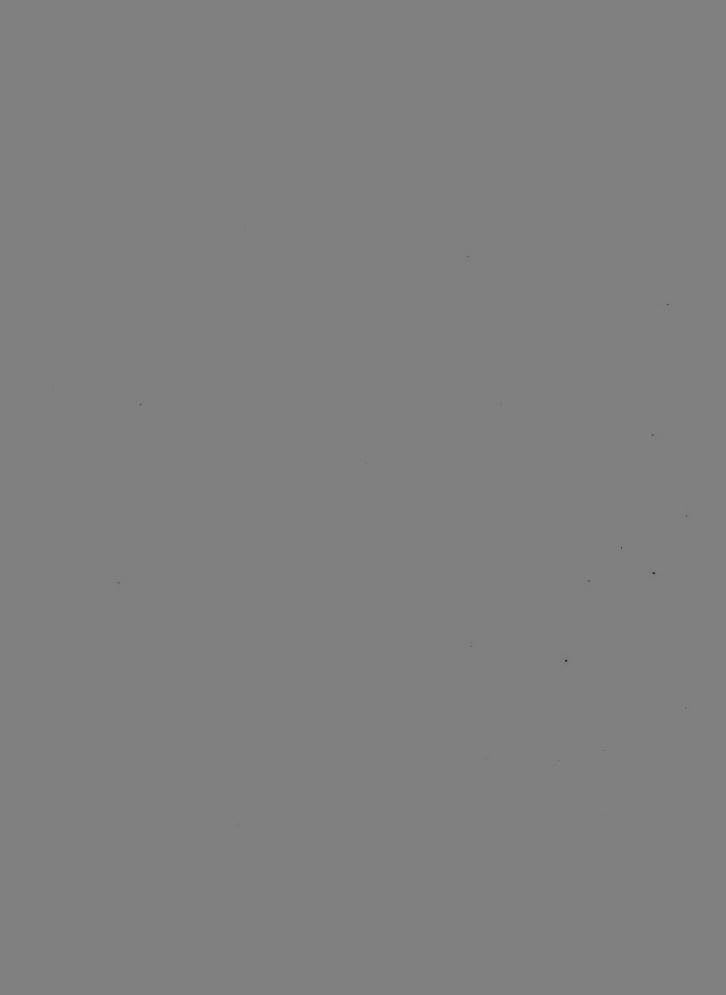
Fruit prospects for the country as a whole or reported to be left of the those for Illinois. Illinois apple area is said to be 40 per cent of neural or dile that of the nation is 6 for cent country. Peaches in Illinois are all marchat of normal and 73 per cent for the United States. Fears are 51 and 161 per cent, respectively.

While some desir ble boof broadin cows with calves have been secreticed From areas most affected by the Frouth, there is little nood for warry that is not contact will upset the mannet.

Pro federal department of agriculture has arranged to suppose the exhibit cattle markets wherever drouth cattle appear in a lifetent without to deprise outale prices. The department has contracted with necessary to clausuitar and more a cuch contle. The beef will be furned to relief agricules.

"Important catally range as a denient are seen to the lay the dreath," the publication asserts. "Ferma, Arizona, much of New Mexico and the inter-rount in religions are in smed chape. In the catally country the much of views locath areas or in crited in eastern Meantona, the Dakotas, northwestern Mehrason and certiern Members.

"Toba Illinois feeders, having factors water absileble, and milling a gert of their folion requirements during this period of ancertainty."



#### Full 30 dings of Lagranes Meeded for Forego in 1977

Since legumes planted this string have filled ever much at Illineis because of the drouth, fall seeings of religious, event clover or alfalfa and as soon as rains permit will be necessary in a frame chartage in 1 JV in to be avided, worms J. C. Hackleman, crops and nation of i list, Colong, of Agricultur, University of Illinois.

"It is aspectally important this pear that a good sied bed be prepared, since all possible tristure must be underwhile by "the explained. "Which the legand is to be scaded following a could rain every which was a chined, it is best to remove the strew from the land before attending to lise up a seed bed. If explained started immediately, the sied bed also ld be mady as soon as the rais since.

"A successful swater's ading of legumes is more noting accurred if the seed bed is allowed to log for a wall if the relative to still weeds and spedded immediately. Deeding should be done as early in August as rains permit.

"Those who blan to beid the or winter wheat this fall on bind that has been limed on obtain a good at and a swift plever, which should be look drouth represent than chring-seeded sweet flower, by a nting un-hulled cond has fall proverly winter on the rys or wheat ground. The seed will be worked into the ground by roins, freezes and thaws and will start growing early in the opring. The hulled a direquires of to 30 bounds to the acre."

Grass mixtures such as timothy and red copicly be granted this fall to provide fall and winter forage, to be followed by seedings of red, wisher a coest curv ment spring.

If tests show that fields an which lagrance are to be seed a true fall are in need of limestone, the limestone, if time permits, may be breadered are at the seed-ing. As added insurance, dry lime at the rate of 400 pounds to the sere way be irilled into the rows with the cool.

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### State 4-H Club Live stock Judging Contest August .

More than 15' livestock through regressions of the first derivate of 4-H clubs of Illinois are expected to the scort in the samuel atoms 4-H lives of and dairy judging contest at the College of Agric Sture, University of Illinois on Mario, August 3, I. I. Filchard, extension specialise in junior alub work, reports. Has the college of terms representing of counties competed for honors. Fotal attendance including term sembers, alternated and alub leaders are 667.

The winning term in the 100 livestock contest was from the Ma modil Hustlers 4-4 Olub of Marshall-Putnam counties, with individual honors in livestock and ing going to James Paiget, of Adams county.

High point team in dairy jud in a was from the Luke Eurich 44H 11mb, of Loke country. Individual honors in dainy adding our to D lb at Gardwor, of T was a country.

"Competition is expected to be unusually to a thin year," and Filcheri, who will have charge of the contest. "A larger maistration is caticipated, and technological training faithfully in an elfort to areat to first place trophes from March Hustlers and the Take Zurich Chab."

First algoe which is an engineed shill to be retained for an overly the winning team, with medals point to the embers. The rumber one liverseed using that has the privilege of representing Illunois in the non-collegiants come at held in commutation with the International Biveston: Exposition at Chicago. The term winning first in larry judging may also represent the state in the national 4-H drary judging contest at I live, Text. in October.

Maria de Carlos de C Carlos de Carlo t . d salve de e ·· · 

### Clever tooking Comes With Low Supply of Vegetables

A decreased supply of garden wegetables conses an increased precise for Illinois homemomers on how to cook vegetables to obtain the greatest food value, it is pointed out by Misc Gleana Henderson, extension specialist in foods, College of Agriculture, University of Illinois.

Wash new pointness well, the class, but hesitate about scraping those for the shins are not only good for roughage in the diet, but also can, of the class and vitatins for health lie close to the surface. The same is true of young carrett, she says.

Because cabbage heads are due to be smaller as a result of the drooth, lies Henderson advises even more care in their organishes. Both cabbage had grouns belong in the class of vegetables which require little water for cooking. With tender cabbage and the greins, no water except what chings to the leaves offer washing plus fix water in the leaves themselves is necessary or desirable because the object is to have no more liquid after cooking then will be served as guide with the vegetable. This guide should be served because in it are dissolved important food we have which should not be lost. The cooking time child be too short to permit such "cooking down," she says. Stems of boots are a good substitute for greens at the paraent time.

Bailing is the ideal way to retain men of the red value and all ver of the substantial vegetables like potatoes, equach, encumbers, tonatoes and animas. Iterating ranks next in line and in a good way to empure corrots, againsh, beets, was mips, oweet potatoes, wax beans, but is never used for green vegetables, Miss Henderson continues.

The difference, she points out, lies an the color factor. Green vegetables

keep a bright color if cooked in a unecolored kettle for a chort length of time.

The red color in beets and red cabbage, but not to atoes, is the kind that turns blue in the presence of an alkali, such as called in the presence of an alkali, such as called in the parties whit is hard. The use or acid such as two to three to shoons of vancing to mint of vator will solve the situation for both cobbage and red on ones. Leaving two or three invites of ster on beets and or king them with the chins unknown will provent such loss of color.

White vegetables will remain white if cochol an sout or forely waiter, but tend to turn yellow when cooked in hard water or for too long a time. Green of tartar or vinegar added to the water in small amounts may presents whiteless. As for carrots, sweet possess and other yellow floods, they have their color momentar how they are cocked.

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# home Accident Rate Ranks Next To That Or Highways

Accidents can happen in the best of homes. Summer time, with its the conds of tourists on the highways and inevitable automobile students has acthing on the home where the stage is all set for some mamber of the family to be injured at any time, says Miss Gladys Ward, extension specialist in home management, College of Agriculture, University of Illinois.

More than 30 per cent of all the fatel acculents which occurred in 1935 took place at home, she says, and adds that there were also about 140,000 people permanently disabled and 0,460,000 temporarity hurt.

Topping the list of chief causes of fatalities are falls and burns. The chads, most of which were due to carelessness and could have been provented.

The kitchen is believed to be the most hazardous rock in the case. Arrivales from fires lighted by kerosene by adults is given as one of the most flequence case. I death and injury. For young children playing with matches or being too war a let stave or benfire or beiling hot water has all too often been fatal, she was.

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### Kendall and Shalhy Take Stee Jith wile of H Juliana

With a meand fill of 170 teams competing, Yendall commy took the state championship in tainy cuttle judging of 1 State the annual 3-h judging content of 13 A. not 5 at the college of Archiviture, University of Illinois. E. I. Pilchard, h put 4-H a coallet, and his one cist a very incharge.

K middle unity but the protopolated a recondition of outries in dainy undering but also did it with a contract of mathematical and a reconstruction of the engine father, a feat which set still and her near to all the pears of the engine into a linear or winning combination included Virgo, J. Correctors Elaine Suith, and linear or Units and Mrs. George D. Smith, who expended a lifework famount of the Spurehold Elatelia near Aurena.

A so is if 1, for printer of a coupling 1, 50% in the propose of Jirseys, Filetoner, so and propose 1. If in Switch we the other title of Rendail county over 15 to 6 to 6 to 7 to 75 at 1. If the formula of 1. If the

Shelly country state classed in the in the librat object of district was compared at Dariel State, Persont Classes and Annual Upocifi and was a series Engment Bighler, assistant well that I adm. This team secred a total of a cile into out of a possible 1,800 in the judy and it had not by sattly observe, here and have a tomate into the 107 other livest ab toward and secretary.

The winners limited by the wolf normania Illian as a more only intended at the Chicago International Into Strom Emploits which formand in Decode, while the winding doing team parties the might to be the methodal contact at the Robert Strom, Pallas, Tax., is for hor.

The 51% of the compression the 12% competting tenness on the constitution liverteck and dairy judges on the 15,000 illustration together and driver collect in definite projects in better familia, and havetaking practices under experise a of taking county familiars advisors of the extension county familiars advisors of the extension county familiars.

Highest occrime in let be 1 to delegate contest was Lette Towner, a model of the Coles county team from Matters, and made 407 points out of a possible 500. This team was conched by H. C. Dutte, a senior in the agricultural college.

Garland Commune, a mode of the Callatin county term of a Lorality, to a high individual braces in tat of the policing when he covered 510 points of or a passible 600. This term was concluded to Farm Advisor Ray H. Roll.

Finishing behind Heriall a emity's winning entry, the Future Stockmen 4 %, 1, the dairy division were Betoy Call Chil, We Davi etc. 1,317; Fi march 1-H., Vermilian. 1,312; Ducky 13, Fulton, 1,310; Marte a Jell, 4-H, Cales, 1,300; Latine Call Chub, Winnehage, 1,330; Silverheaf 4-H, Melena, 1,003; Wat ruon 4-H, O Kalb, 1,005; Mahomet 4-H, Chompaign, 1,047; Milo Fioneere, Purkau, 1,006; Morenge Michaelk 1, 1 thomas 1,005; Reno 4-H, Pont, 1,010; Di trick Calt Chic, Effinghem, 1,000, Fax Velley 4-H Richland, 1,100, and Weel y Hustline, Till, 1,100.

Shelty county's entry, the Jenier Fieders, state classic noting to division, were followed by Ellington Sew and Litter, Adams, 1, 5; Ferren, clinter, 1,55; Equality, Galletin, 1,574; Restlict Plan Rebbon, London, 1,16; Wall Pero, First, 1,178; Profrie Santlern, Frett, 1,178; Gelman Here. She, Calletin, 1,177; Let Zuriel, Loke, 1,16; Kirman, Herema, 1,167, Leant Vernes, Fert, 1,18; Fieder, errorder, 1,16; Conserved, 1,18; Conserved Parole, 1,18; Conserved Parole, 1,164, and March Liverbook, Moser, 1,164.



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### State Pair Thorus I Pasture , 500 In a May o was

A noticeal entirection of times as each of 0, is emped on a complete or much face of much laws, or one of the table or attribute to the contents, "The Harmost," (2003) have a contents. the Illin in State Fair. I. E. D. term, moral or elegiot, fill and Ambellton. University of Illinois, perepte.

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More r. Edwards, Form, Kame, I and Therefore to State and rest their set of the set of t of Lumin, o Great au .

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"The process of fooder all the time elfolters in the control of decline posture is a second of the control of t fullia restaves.

"While a 1" per cent total or pale brown mixture is ordered at them a not are the same pasture, a lity has a callibrate will unally to he was literated as a I miltima."

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The camp is demonstrated and the party of the call the second second to a facility of the call the second s March to Inches

COLLEGE OF AGRICULTURE—UNIVERSITY OF ILLINOIS

Timely Notes for Farm Advisers and others from the Agricultural College, Experiment Station, and Extension Service

= 1986 (1986)

Number 33

# THE RELEASE OF ILLINOIS

### In Tara II Tecmites Are Not Stopped

... There to get the upper hand over the woodiestryi (\*. 103 ), is. ioll (\*, 153e trings), sau a fally costs Illinois around five million Thing is resumed, warns W. P. Flint, chief en-I so y Survey end of the College of Agricul-

e if event is is worth a pound of cure, Flant comes tir ... ... nomes are no safer from termites than the cf building to offer neither passage-

from the componerty well-built homes, running beam; bana as well as in other cities of the buildings now remote peststent.

. . . . . . may be based upon the fact that the rtant right e allo an abundant supply of moisture tiliro 🚁 t orgh a dresting on the soil or through a time a cracks to foundations or directly 3770 3. .. stimust which are beneath or

and a study of the habits of

in lift. tree turns. - ie for a said old posts must be removed ood should be removed beis a contract to the contract to a make and steps and other supports should Flint says. We advises swinging lattices from the top

on the tite of sections wan is climinated, he says, by using good and the should be capped i in es ou our set o clamer tomor har.

For inting annula is thint as the teach the wood, the termite must build in an an anticle party of the party walks or pipes.

non collection and the foundation will eliminate cracks, in the graph of the sold line is desirable. Cellar windows

ies assing the An Pasement floors must be set tightly into concrete and or free a time action. Basement floors should be weinforced to prevent is to still on where the floor foins the outside wall

in the second of the ever we like in assements; providing ventilation ilent relations and the exement and beneath unexcavated portions 



14 4 O

#### Early Wet Fall Would Cit Grasshopeer of opens in 1937

Not for about these months yet can definite redictions be made as to whether the Illinois grosshopper population for next year will be worst than the bondes now consuming Illinois crops.

W. P. Flint, chief entomologist, Illinois Natural Nigrory to the hondreds of Agriculture, University of Illinois, has given this answer to the hundreds of favo-

ers who are asking about changes of escenting the scounge next year.

"While conditions may change before late October or early No easier, present indications are that grasshooper number will be greater next year than this," Flint said. "Many hoppers are now reaching their full-grown winged form and are starting to mate. Egg laying will not be general before September. An early, set full will greatent their laying the full quota of egg., while an open tall with late front and many warm, sunny days in late September will be ideal for the laying of large numbers of eggs.

"The Natural History Survey and agricultural college washed Illinois farmers last winter of the present intestation. Definite predictions will be made again this winter in time for control alabores to be started."

Following in ects now and discing to arous where eggs have been laid, thereby exposing these to the weather, were listed by Flint as methods for reducing numbers next year. However, he advised that the alocing must not be done before the middle of November.

The present heavy infestation of grasshoppers is conced to the type decrease in the number of injects, such as blister beetles and builtle beetless, which feed on grasshoppers and grasshopper eggs, he stated. As numbers of these last a lasects increase, the grasshopper population will decrease. It is likely that adjusts will be present in destructive numbers for the next two or three years, by which time he expects their inject enemies to become numerous enough to been down.

In many Illinois altalfa and clover fields, a hoppercatch r or doner can be used effectively, he counted out. The hoppers are caught alive and may be racked and dried for chicken or hos feed. Since they are about 75 per cent protein and high in fat and phosphorus, their value as chicken feed may arount to more than the expense of catching them.

-14-

#### Trench Silos To Aid Farmers In Salvaging Corn Crop

With the cost of a temporary trench cilo limited to the cost of the blor, Illinois farmers generally will be turning to this method of salvaging corn from drouth and grasshoppers and providing extra livestock feed next winter, E. W. Isaban, and of the department of agricultural engineering, college of Agriculture, build write of Illinois, believes.

"Trench silos can be built easily and quickly with materials and equipment found on the farm," Lehmann said. "They are fire and wind proof, and less freches results than with an upright silo. As the silage does not have to be block to used to pack the silage."

Tranch siles are usually dug inx to eight feet deep and the income end. Less appliage regults when they are placed at one or both end. As is usually some spoilage in the top layer, it is recommended that the rank of the removed from the stalks which make up the top six tenars of the silage.

After the trench is filled up to two or three feet above the group is so it is necessary that it be covered well. While there are several untirely in the one most often used is four to six inches of dirt with the dirt extension two feet past the edges of the silo.

Lyw



### Save Summer Cabbage By Making It Into Sauerbraut

Homewakers who are especially anxioud to save every bit of garden coduct possible this year may prevent the spoiling of summer cathage, which is a not ever like its winter cousin, by forming it into saverwhere, says Miss Frace American, extension specialist in focus. College of Agriculture, University of Illinois.

Cabbase, the counts out, not only is ideal for papping against that, but it also combines well with many other low priced foods such as navy beans or ment and dumplings for inexpensive meals. However, once the camerkrant in a latent time cool class, is any last for several wests. The large prounts of substance the growth of years and bacteria.

Saugrhrent is made by the dry sait a should the three threshold is only up in small pieces so that the juices are readaly entired by the last note 1. thus for ing a brine.

Following the method advocated by Minc Armstrong, the cablage is dut finally and weighed, allowing four ounces of salt to ten pounds of cathago. The inequalients are alternated as they are not into a startle crock or a clean wooden barrel and market tightly with a various startler. A cheese thath is apread over the too, sollowed by a clean wooden cover on large plate when is relighted norm. Throughout the two weeks fermenting period, the brane must cover the root, cautious Mica Armstrong.

The product is rept at about 05 negroes Taurenheit, and whenever a seum forms on the top it is removed. Properly sured, banerkraut in a light, rellow color, and very crist in texture.

Once fermentation has coased and the product cannot be seek in a cool close, care must be taken to prevent appliage, continue Miss Armstrong. See a vocates can ning the product in glass or tin pars by heating the brant to boiling point in its own brine. The jars or cans are filled, the care scaled, the glass pars satially scaled and the containers then processed for it minutes in a water bath, counting from the time one vator starts to boil. Scaling of the glass pars in completed it redictely.

#### State Rural Electrification Ocumittee Aids To Stalf

Farm and home advicers and members of their local rand electrizability committees now have the benefit of an enhanged staff at the headquarters of the state rural electrification committee, Springfield, to assist them with development of extension service projects is this field. Also available for their use in an official bulletin sublished monthly by the committee,

Most recent of the additions to the state committee staff are Harry Paris. Urbana, who will do legal research work for the committee and who will be averlable to give advice on legal matters to individuals or groups of farmers who key held it; John Marquardt, Champaign, electrical engineer who will act as rural service engine by W. M. Strichler, Chicago, who is doing legislative research, and H. Huebinger, who draftsman of Peoria, who will take charge of the mapping of rural and other electric lines in the state as part of the survey which the committee is now mading.

Prof. E. W. Lebmann, head of the department of agricultural conducting, is the representative of the College of Agriculture, University of Illinois on the committee. Other members are Walter W. McLaughlin, anairman, director of the Illinois State Department of Agriculture, C. V. Gregory, editor, Prairie Farmer; Harry A. Barr, commissioner, Illinois Commerce Commission, and Paul J. Raver, professor of within utilities, Northwestern University.

One means which the committee is taking to further usual of ctrification is an educational exhibit which will be made in the grand stand building during the State Fair.

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COLLEGE OF AGRICULTURE—UNIVERSITY OF ILLINOIS

Timely Notes for Farm Advisers and others from the Agricultural College, Experiment Station, and Extension Service

Number 34

MEDGIN OF THEIRO

### ' r. s Rant: Nint' I; Farms With Electric Service

ing eleverth among the rates of the mation in number of farms, Illinois standar this the writer of a cording because station electricity, according to R. R. wire, Advance of Agriculture electrification, College of Agriculture

First rors the grates in the percentage of farms served by central ----Fu = . .... inued. Of the 231,312 farms in the state. 28,480 1 12. ies o gine advantages of electricity at the end of

1935.

"This I " work are a electrifted farms means fewer water systems and less electrical . in a to cold lade which and I lighten the analgery of farm work both - Til Tu. - rent of Illinois farmers owned automobiles, a "T teries or arelin to . only 19,8 per cent had running water in

real tyde er called to en called to serve researe building power lines to serve real to it of the real times to fixed the fixed administration

Line Il not fine of Act revides Was \$50,000000 shall be available all lines at louise wiring. One half of this entity of the in atento to the percentage er igms That are in a heavy of a letted at the discretion of the adthat no more to the more at no \$ ,50 , no may go to any one state.

ti the notice of and \$5.500,00 will be available on and \$3.500,00 will be available in loans

# I' v. a Advises Depay In Situage Green Jorn For Silage

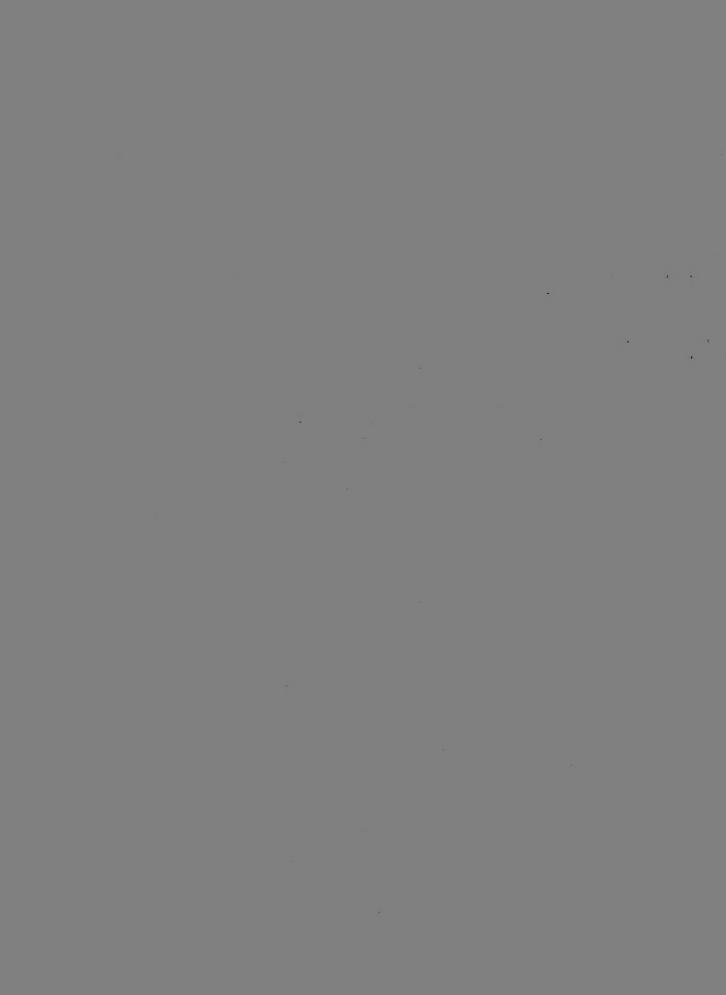
se on a fring parts being rained by grasshoppers rains within or and provide additional feed value, especielly as all one according to T. Nevers propersor of dairy cattle feeding, Col-

"If the is still some care that the come will make further growth, it -1 and to stand lunger bourge attace it for ensilage," he said. "This will

Froit there Illive a farmers who we ni-mong to dig or build temporary siles to com-plete a lone are flore the come is cat.

"In atting a re new took may make further development, farmers are sacrif : . . . . lerac e of the mitriture slue of the feed. Normally corn may double its dry there was and notret we was a between August la and September 15.0 A simple with first treating of the large matter content of come is emplained

r To. 4 0, "Corn as a Mlage Coop.



### Sense Of Color Is Important In Fiching Rive Tomatoes

Home and commercial vegetable garded as in Illinois whose cross-off of a bumber tomato crop were cut short by the dry not weather may yet be able to harvest of least a hali cross, Lee A. Somers, extension spectalist in vegetable carneling, College of Agriculture, University of Illinois, believes.

"Extremely high temperatures of July killed the tomato collan," Source said.
"With the return of cooler weather flowers have storned drooping and the plants have started setting fruit. Since the clants this year me in many rates undoubly healthy, much depends upon the lateness of the first killing frost.

"In years such as this proper methods of picking are especially incortant. Even a good wielding crop of comming tomatoes may still prove an reflecte if it is poorly or carelessly ricked. Fromer licking increases the total tomage, increases the peccentage of No. I fruits and decreases the total horvesting contr.

"Anyone who is color blind is out of lace ricking towards," Solves asserted. "As toratoes risen they so through a period of color charges legisling with greens, then through to flows and ending with the foll semment of denoting maximity. Along with the color together are chemical charges which may the for its their full and delicions through a semical in immature togather."

Since was a presently formed toward in rated No. 3 of it in not rice, it is important that only die fruits, reaching full werent with followithing to be picked. Somers explained. A fully recented toward will be aim to that condition on the vine for from four days to a week, describing on weather conditions. More for peat sicking is costloand onder many.

-15-

### Color Ani Case Storesed I. Hinto On Bowles of Mary

With foll and wint a styles calling for a orter shipts, hostory will coon become a very important item in the homewalcase lock a badget.

This is the comment of Miss Edna Gray, none economina antention systiclist in clothing, College of Agric littre, University of Illinois, two outlines everal points which the helieves will help to produce the well dresped look this coming sees son without under strain on the purse.

Colors for fall will be somewhat lighter than those form last winces, she says. There will be a woral browns, any one of which may be worn with continues of similar tones. Stylists are suggesting a cinnamon brown and a golden that for wear with yellowish greens and black; a light brown for use with time, raising, rust, don't green and black.

Equally good for wear with these latter colors is a group of light and medium dark leight and tagger. For those who have liked the sun and commer tagger of this past surser, buint other and burnt commer are continued for the with brother, whereas, blues, and blues.

However, color is not the only element of the beleation of nost by, she continues. The weight beleated, a two or three thread chiftian for dress year, a three to five thread pervice chiffon or even service weight have for everyday weer in important as well so length of both foot and leg.

When buying stockings, it is often h liftly to stretch the home at the linte and at the top. From the heel across the insten, the stretch should be simuld one-half or seven inches; while at the hom edge the stocking should stretch to always one-half or twelve inches.

She also stresses the fact that hope several pizes larger than the above should be carchased. Many people always buy stockings three sides larger than the shoes they wear.



### Parents' Social activity Affects 4-H 31 ib Membership

Extent to which Illinois farm boys and girls participate in 5-H club activities is determined largely by the extent to which their parents participate in and approve of organization and social activities.

This fact is revealed in a study made by D. E. Lindst.om, rarel mediclopist, and J. H. Dawron, of the animal husbandry department. College of Agriculture, University of Illinois, and reported in a new circular, "Selectivity of 4-H Club Work," sublished by the college,

The study covering 1,4% of the 20,000 nembers of 4-E clubs of the state and

862 non-members, was carried on in 60 communities in six counties.

"Fogs and girls whose parents participated actively in various organizations and social activities were attracted in relatively greater numbers to the 4-H clubs than were jounger people whose parents did not participate in such organizations and activities," the circular states.

"Furthermore, hows and girls whose garents approved certain mass desimable activities tended to be drawn into 4-11 club work in relatively greater medieve than boys and girls whose growts were less discriminating in their choice of accial active

ities.

"There was some evidence, also, first the clubs failed to hold your, people whose parents approved of undesirable activities and held those whose markets were more discriminating in their approval.

"Boys, wa worally, and to a lesser degree girls who participated to the greatest degree in other organizations were attracted in relatively greater mumbers to

4-H clabs."

Activities of 4-H clubs through the state are carried on inder the supervision of local farm and home advisors and the extension service of the College of Agriculture.

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### International Forticultural Exhibit, Sentember 12-20

Illings promuse of flowers, fruits and vegetables are grooming under plants and looking forward to Sectioner 13 to 20 when they will have the opportunity to show their products in the first continent-yide exhibition devoted exclusively to horticulture, according to J. 3. Blair, head of the department of horticulture, College of Agriculture, University of Illinois.

The occasion is the International Horticultural Exposition to be staged in the new International Amphitheater at the Unicago Stock Yards under supervision of an

advisory committee of prominent horticulturalists, of which Blair is claimer.

Facilities for the show will be provided by the Union Stock Yards and Transit Company. The exposition represents an affort to give the came recommition to horticalture that for many yours has been given to agriculture in the International

Live Scock Exposition, Blair explained,

"Since the exposition will be just before frost when gardens are in full bloom, it should have the widest possible popular appeal," Blair said. "I ere will be a place in the exposition for everyone interested in any phase of horticulture including amateur and professional growers of flowers, fruits and vegetables, accompany garden clubs, associations, institutions and sometional agencies.

Premium lists containing full details of the competitive claimer are not ready for distribution to those addressing requests to the exposition beginning at

the Unicago Stock Yards.

More than \$1,000 in cash prizes together with numerous trouble will be awarded to winning exhabitors. There will be no entry fee and entries may be reclaimed by their owners if they wish, Blair stated.

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COLLEGE OF AGRICULTURE UNIVERSITY OF ILLINOIS

Timely Notes for Farm Advisers and others from the Agricultural College, Experiment Station, and Extension Service

Volume VIV

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Want - P.

### Illinois Ferme as the end that Ireach gody

After three years' earth ence vith a creath wile, Hosep Organ, Carterville town hip, Williamson sount, far. or, is not wolfying about how he will average off sprices three for a like feet, it is not not in a report to the followed time, This entire of the followed time, This entire of the followed time.

time, University of Illinois, from the Small, Williamson county face threshold by the Time and an irration to the translation to the from plant regards by the agricultural college. Last year when the said age of the was not restrict available of the model of the said, there has applicable and covered the . He remoted the college to to of a shield pality will be not exhibited by nicenses, pattle and even only her one affect of model to Jamin restrict the cut stalls were maided to lendow the early early.

In inscring the practice of this whom for siles H. I. This besign of the animal multahing department, Ich and Agriculture, This was the full help pointed on that in the past siles has a substant bundles to the profiler part of the corn celt with fair success.

"In the process the process of much smaller and whom for any other leavest are constant the ground, giving a limited parameter of the process of the process

If note situate the value accord, "he valued, "greaterably by wiw made tractor with light over the form of the foreign. For a than love the feedure value of drouth form of has no mande of mading grain, it might be satisfied as accordance of the contraction of the mass of a military of the contraction of the contract

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### Hers.: Frazing Stalk Fiells May Tare Disease Danger

In the present or little condition followed by heavy full rains the season will term for by little when Introduct farthers last to horses valued at half a middle model is as a condition of socially condition and leave last that he condition and leave last that he condition and leave the condition of the conditi

Anthoram studies have seen in desinor the outbless two years and they specific subsets to the disease remain a gentry, Dr. Gradius assertes for very the has seen quite desinately established by larger attice that if horaes were an identification of decaying the light and the larger are seldown as velops.

"In the horses become slug-ish, show or not come to excitement or the blanch stages, a veterinarian should be called at once," Dr. Franco switches from the ment of the inserse in its early stages has given good rould to but it occurred to be wentive measures have teen found."

If it is necessary to feel "maged orn, Dr. Gr. Mag advises to it to serve fully clicated. If shelled corn is allowed in which is feeling, which is the surface may be skimed of our feel to mose.

There is no definite way to bell when a stall high hear to a, It.



### Illinois termers! Cash Farm Outgo Is Up 3d Fer Cent.

Illinois furmers last year increased their case form expectatures by 38 mer cent over the previous year, while their income increased only 18 per cent, it is see vealed by records kept by leader farmers for the two-year period.

Average cash tarm expenditures were \$740 greater last year then the year to-

fore, while cash income was only \$665 more,

"A good income is recessary if farmers are to be good purchasers," remember H. C. M. Case, head of the department of agricult callegoremics. College of Agriculture, University of Illinois, in commenting on these facts amounthed in form management studies carried on by the college.

"As farm income increases and is fairly well maintained beyond a certain minimum level, the farm market for machinery, buildings and other goods and certain increases out of all proportion to the cettail ercestage increase. In income," he continued.

"A certain level of farm income is necessary to meet taxes, interest on debts, accessary family living expenses and other give fixed items of outgo. Also certain minimum operating expenses are necessary on the farm. Yowever, eiter the far income ringues a or tain point, the famee's a relaxate of goods and recovered that we allost income increases.

"Inder conditions as they were in 1974, practically half the income was used for these fixed openass. In 19.5, with an increase in income, fact of mean expenditurer rose a life amount, the large increases coming in the purchase of machine ery, increvements and live took.

"In considering the amount of fixed excenses which are not poid out for new equipment, goods and services, it tecomes clear that it industry is to fine a good farm market, it is necessary that the narmer have a level of income that exceeds this lower minimum."

-1.1-

### Says Ford Can Be T ed To Destroy Anto It Attracts

Food which proves the drawing card for ants may also be the method for destroying the household pests, suggests W. P. Flant, chief entomologist, State Natural History Survey and Colinge of Agriculture University of Illinois,

Nhowledge of the food habits of anx species of ants common to Illinois howes and grounds are outlined by Flint and N. E. and whey, in a recently issuel bulletin

entitled, "Antr, and How to Combat Them."

Finraph's int, or the small redsich ant, proves the most difficult to eradicate, in Flint's opinion. Once given a football in the house, the ant may even remain throughout the winter months. Successful methods or computing it may be in the use of a sweet tasting bait containing thallium sulfate objecting, if in the endightent trapping of the ant by means of aponge, loden with food. Theoret care is exercised to keep the sulfate poison away from children and poto, Figure case tions. The use of bod laden sponges is effective for only five to apply to a them the shortes should be collected and the ants destroyed. Otherwise the contact may act as a food supply to aid in building up the ant colony.

Control of the small, yellowish thief ant is carried out by ticzeldly destring the run-ways of the aut with sodium fluoride, or by mixing poison tarter and tic

with lard or bacon grease and placing the bast close to the aut relong.

Methods for continding with the large black car enter aut which is went tunnels into trees or into the dead wood portions of times in the large and either to use the poison simple recommended for Pharach's aut, or to mix a sold a surface sugar and caris green, Flint reports. The bulletim also deads with the late within large yellow ant; the cornfield and the odorous ante; and the winned or claim anter.



### Many Crystals Can Be avoided In Making Grace Jelly

What makes grape jelly crystallize? Anticipating that many Illinois home-makers will put up more grape jelly than ever before to replace the lowered cupply from early season fruits, home economists and chemists at the College of Agriculture, University of Illinois, explain the peculiar malady which often occurs in grape jelly.

Technically they say it is the tartaric acid in the juice precipitating. To homemakers it means crystallization has taken place, and all of those small candy-looking squares, dispersed throughout the jell are really cream-of-tartar crystals. While not harmful, the crystals prove annoying and lower the standard for good jelly.

It seems there are several remedies for this situation but not one that is guaranteed to take out every last crystal. However, Miss Glenna Henderson, home economics extension specialist in foods, assures us that there are some fairly certain methods to meet the situation.

The first method is to allow the juice to stand overnight, then siphon off or strain the juice. Since the method may not remove all the crystals, Miss Henderson says an alternative is to can the juice and allow it to stand for some time before making it into jelly. This will give the crystals time enough to settle to the bottom.

A third method, Miss Henderson offers, is to combine grape juice with some other fruit juice and thus dilute the juice so the tartaric acid is not so concentrated.

At any time, it is best to make small glasses of jull which can be eaten at one meal, she says.

Among the recipes which she recommends is one for quickly made grame jelly calling for three pounds of fully ripe Concord grapes and three pounds of sugar. Mash the sugar and grapes together. Boil them hard for 15 minutes counting from the time the mixture starts to boil. Press the mixture through a medium fine colander. Pour the jell at once into sterile jelly glasses, and cover with paraffin.

-M-

Winged ants are not a particular kind or species, but the young kings and queens or male and female ants that develop in ant nests each year, according to "Ants, How to Combat Them," a new circular issued by the College of Agriculture, University of Illinois, in cooperation with the State Matural History Survey. The winged ants start the new colonies which will be composed mainly of the wingless workers.

**\_3/**\_

For finishing baby beeves oats may replace from one-fourth to one-third of the corn in the ration without materially reducing the rate of gain, according to the animal husbandry department, College of Agriculture, University of Illinois.

-1.1-

When Sudan grass, came, or any kind of grain sorghum is stunted or blighted by drouth, or is trampled, frosted or wilted, the plants may contain enough prussic acid to kill livestock.

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The first county agent, or farm advisor, in the United States was W. C. Stallings, of Smith county, Texas, appointed November 12, 1906.

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COLLEGE OF AGRICULTURE- UNIVERSITY OF ILLINOIS

Timely Notes for Farm Advisers and others from the Agricultural College, Experiment Station, and Extension Service

Volume XIX

Se tember J. 1980

Tamber D

### There Smulles Air tore Than Conficient for Text Tear

Illicit consumers of tread and their which profess are not obtained immediate wheat distrage, since wheat his first as a result of the rowide the following requirements for the 1935-b reason, as ording to  $J_{ij}(J_{ij})$  well, not show of cross-production. In these of Agriculture, University of Illium ,

Wheat is duction this year in this country, as of angust 1, in the last burner of applicable as recommics, I, s. Department of Applicable, at the plant year as of July 1 was about 15' to this, indicating total and the content grow year of 7.5, the last, Fig. 8, pointed out.

On the basis of estimates and after allowing for probable income and eleports and a domestic continuous not for proper bashels, there sho labels to accommon of about lie, we not bushels aimst half "the said.

in 1934 to 381, 196, 196, while the fire-grean average is 831, 1960 to 196. Acreages seeded for the large wheat crow, 74, 760, 196 acres, 760, 196 second larges, in history, and seedings as large for the 1937 crop would produce a dig two wheat for total appears utilization even in fields should turn but to be caused with telow average, according to the engual mid-summer wheat outlook issued by the independent appropriate.

-11.

### American Scybean Association Meets Sect. 14, 10, 18

After howing conformed itself in a coybean varieties, method of an laure, harvesting and forders, the American Sophas (Accodingtion will devote partially that then to commercial utilization of the social clits sixther thannual service, Selteder 14, 10, and 16 at sue, feder Rapids and section, lowe.

In pointing but this fact, a. (. Hur Heman, clops extension a whichlist, follower of Arricaltine, University of Illinois, and proseporation of the proventation, stated that Illinois would be well represented to the provention of the or a in them whose manuership consists of soybean grower, policessors, dealers, not extension workers of the Tederal department of agriculture as of the agricultural colleges of the parameters approximately producing states.

G. E. May, Urbana, will discuss the receased program of the model of 10.1 soybean industrial products laboratory, of which he is director and violated at the University of Illin is College of Agriculture. W. L. Burlinda, what it is agreeously department of the agricultural college, will report on exaction also vitable will parmy conducted by the college. On the banquet program Thursday events, Miss Sybil Tendroit, of the home economics denotes it of the college, will as a than discussion on "Sopheans for the Herricher."



### fill Rural Youth Leaders To Meet at Urbana, Sect. 26

Fift, -nine counties are plated to land delagates to the third at terwide rural pouth conference at the College of Agricolture, University of Illinois, Septeter 26.

Stanifying their desire to not in a full desort discussion or emoblems encountered in their note in the last year and to have testual alons for full degrams. more than 5 % young papels are expected to get together at the University, appoint to 3. F. Hulelson, assis at dead, Collie of Egriculture, abolitran of the conference.

Flans for the destination and condition Dear M, W. Muniora, of the agricultural college, and a condition tall on "New Congress" of Rural Civiten as "by John A. Senton, faculty surber of the University of Westernein who has made in intensive study of the celebrated force schools of Propers.

Five-minute reports on prime apply a potigrities are absented with a representative from DeFelb county opening of county survers as a basis for a personal laminus a Mason occurry delegate take og on a prest proclam of young some deligate, and the productions laminus a defende interest, and the mall-hybratic county a well-normal program.

Follow the low members in the story profit on at any other control of the distance of the control of the distance of the college within any ting with specialist in juntor this work of the college within any ting with special college of the basis of subject matter offered at the control of the profit by Barton, the tolk "What activities can consil young easily engage in not a size the cause of mail control will be discussed."

Other features on the property will be a roll in the soll must be authoral Illinois of D. S. Mointonh, of the Southern Illinois of the Teaching Coulds, Califordale; a lizeursion on the role for uniformity in number of an of whiteful of actionaties of voting results groups outsethingers brooking rougher organization, and on evening recreation rougher directed by E. E. Regnier, rough cociologist of the policy of

Taking part in a penal discussion on "locking Atoms with Illintic Wong People" a libe Mary Junet Irral, some bung, Melani county; John Wein, Discussion and John Wein, Clause Grove, Jasper county; and Miss Cleo Frincishons.

Ference who will happen with the detection of the property of the property group, Elizabe n Bitts. Princeton: William Ellins not also by Francisco, William Ellins not also by Francisco, William Ellins not also by Erapided Helioten States, ellins of Elizabeth and Ellins

Among the University of Sents (is will but the Rolf Borw 1000 1000). Make Malvin A. Beldback, Lincoln, Janey Gradfoll, Recomming, Ducius Frence, Malvin Factor and Role, Jr., Pontisc, B. 1800 (Isfensie, Malta; and Rotert Shafe of the entire.

State divisor bendered and lave beautiful to the logice of The the Balley, Western Illinois State Teachers of Bloom Grown Endeme Consist, as notor of Illinois Apricultural Apricultural, Chamburgh, also Jesus Grandel', Note of which, Livingston country Vesley to Beattan, Fistern Illin in State Teacher Const. Chamburghton; L. A. nots a polinty C. A. High wint also dispose County of Association Dispose Tiles, presentation insurance flux in Home and red February, Const., A. Charley E. Shilts, of the Illinia Country, Spot. 118 [14].

University staff member, e.e. reting one be a fitted Value of the property and leader, at we economics an ension, the E. Lindstron, and consologie; so follow, agricultural education; d. S. Randall, extension specialize, duror of the entrand J. C. Smitler, state leader or farm accounts.



.ol. KIV--Ya. 25

### Fall Home Bureau Flana To Fenna 13. De In Illinoin

For bing to mass are being put monthell originary for mode to a label of and bineau members in Illinois, with letter downers as modey management ording signitems of interest in the 44 originized home tuness counties, resorts Mr., Vathaya Ton Asen Burns, state leader, howe economic extension, follege of Agricultuse. This or sity of Illinois.

With the organization of Christism. Ferry, Whiteside, Montgomen, Find and Shelby pounties in 1980, the services of a home advicer and a comprehensive here economics program in compensation with the home economics of tension that of the University will be extended to 2, additional home when a subject a mount of

The light trend along foot and instruction lines, as reverted by processed quests of the women, in for more impowledge whose food and its relation to available. Easily prepared ments, the study of ments as to selection and cooldary, the study of bread and its variations, of the bome-grown toods, make, again, as invest, and of easy ways to entertime it than, surface and into re, are on puter into rest time; as i contract to the death for remaining an incomment in the stream stream and incoming another the and in the Steam Henderson, home economics are all a specialists in the second stream and the Remaining tenderson, home economics are all a specialists in the second stream.

Interest in sutches plant instead in hithin year in comparison to the out-standing interest in laundering wors of last year, reports Nick Gladys Ward, horse management specialist. Frograms reveal that more first IT counties have asked for special lessons on convenient hitchesh, and have to reliew up with hitchesh, A part of the home manuscreat such the project in a resulvanced in Illinois.

Steady interest in clothing and textiles is schold this year with chares leaning toward consumer information on the buying or ready-to-wear electricity, renowneed Miss Blog Pro , home accompanies and non-speciality in clothing. Requests values from clothing construction to deshive protection and I advaid more help, the expectation, crove the interest appearance are as a property option protection gazante.

Significant of the new interest is velocing in the child cars and person in cation project and the respect of four more than the counting for created needings. These will be a unitable by the Edne Tarrage extension procedurat, and deal with the problems as family congenetion of the sensity of individuals and some of the arm is of the spaceaging family.

Fall negrow the fracting walk he could make the even a greater days a trippear at rash process for farm families here are constructed for the Mat. But. First a 400 to accounts opened in the Cornag in to her are requests for a construction of the organized countries.

Health work indertaken in 28 counties will implie talk to the contaktion brooks, health specials to on highly laws, health specials to on highly laws, health specials to on taking care of the cick and immuization.

Other grounds which Mrs. Forms list as misor subjects to be some and done ing the coming pear are "show Illinois" project, landwayles, better Engless, to do not views, better tasiness procedures and understanding of Illinois laws as the second the home.

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Flushing ewes at tracking time by training the contempt of the chargest and nongraptical way to get more twin law x. In terms is some grain may be and as a second element.

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Timely Notes for Farm Advisers and others from the Agricultural College, Experiment Station, and Extension Service

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In the surfixence, each of the Stope their Stop winter runs predictions, in an immissing matricties on a contract Engage Ma. Conditions were given as the contract v-right property for over v . The v-right v-

lush modistra po neli previvable strains io a contrato a l'orifical Illinois where the programmer of the contrato e largerat, Woodship als the citem strats of Tungar Resignous I area, Tungar Pal, Mini all, Analysis

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### Energyers Start has ing Rone Assounts in Se traise

With soh that lies not sobten outding taking full from a wath has in Sertember, and fuel subties a well as other exhauses in the increase of its town of natural and the statement of the faily resources the uglob means up the receipt as well as in January.

In reporting this fact onliger a tivity of I limits to the cores, Norw Entity Freedom, extension in recommunity equations, I again in a particular to the China and the I limits, aware the time that from fine to eight minutes a boy is the color of the color and the color of the

Divisions set of the linear set of entirely a ties of the linear set of a promise in recoming engandifules of equations in the Poly, the set of the reliable promises of the house and limitations, of exting explanations expenditures. It was if it under set of the linear interesting expensions, expenditures. It was if it under set of the linear interesting expenses.

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## La f Hessian Fly Lafternay Is Modernay In Agric

Since a moderate to beaut palestation of Hessi a Cly, most scribbs magner pest of wheat, exists in arthir by a a sector of the polite, those ways difference in the time of commandation as a difference of flat to loggels to the application yields.

This fact is exerted to a result of surveys a mention and codity ent to be egists of the University of Illinois I diege of agriculture, Illinois State Definite History Survey of the fafetal cureous factor logg.

In the sortheast quenter of the state the infestation is 1 v manning from the 6 per cent, the survey sk os and a lettler sections the infestation will must from 15 to 50 per cent, the restrict forth of per cent countly western on sections.

While the estressiplicat and dry so this las caused a higher routity of the Hessian fly in its same senge, suffice to lather the steam serious ply to so to only many somewhat, at its reporter.

Fig-iree date for the extreme in this user in not the oblite to some September 19. This sentime the oblit is for south as one control with different, furevo, in Salle, Grundy and fill countries.

Sentender II is the fun tree into for the mext section which substance for entugh south to include onth to all substances, Filtra, Threesla, Male to the Ford counties. Growers in the entral section which reaches to the middle of Pike.

South, Morgan, Sanganan, Moultrie and Engli quanties only saw their wheat with a 197y ofter September 198.

The section regulating from the listing lond, they, didn't ad an alternate counties is included in the Pateller Labett, and a the next section on thing the enough south to include most of Randolph, Beauties are foreign and Whate to infine mass under the Pateller to Safete. In a spain the synthemals of 10 counties about a until Cotober 11.

Where grand were these not the course in 1911, is expect another a other case fourth of the state. Time it seeding by an effect on joint word inference has little cornally here them by insect cornalises. It seems, in fields where the insect is abandont thus year, if the stands as folly if reduced the greatly reduces.

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# Adminis Farmers 1 20 May 12 Caning Solicies

Here training the growing introces of the is to the as when thing in expicultures on this discussions. The countries I we sire my stored with a contracting evening soft the worlds of our months of contracting to 3. The Johnston, extension specialise in again that the contraction, I does of April 1907. University of allie is.

have been scheduled in Completon and Fane, Found livingston, Pultus, Alas, Pike, Margan, Lasting, Vermillanda, Companya countries, Cther counties, Laiot had the schools in oust years, will as automated and

Last year theer sens is wore send in the counties and Johnston has a rich-

tually to conduct the courses in each Jelin is or why.

In that the counties where the court's wore offered best year, it is isseed professor of livest themselved, will and to rest of membring scellings. The state of the evening, these courses will be given in Jo Daviers, Janob , Whiterie, Monay, Fureau, Stark, Monay, Bearia, Machalleformer, Worlford, Tormer, Bear Stark and pelantic duries.

### 1,000,000 Cons Of Limestone Is 1937 Geal For Illinois

With the drouth emphasizing the importance of clovers and alfalfa for hay and pasture, Illinois farmers this year will use nearly 750,000 tens of agricultural limestone, a requirement of most soils for a successful stand of these learnes, C. M. Linsley, toils extension specialist, College of Agriculture, University of Illinois, estimates.

Provisions of the 1906 farm program have aided in boosting this limestone tonnage, the largest where 1929 when 193,000 tens were spread on fields of the state. A goal of one million tens for 1937 has been set by the extension service of the agricultural college which for a number of years has sponsored soil improvement and soil testing programs in the state.

More than one-half million acros of Illinois land will be tested for limestone needs at local meetings this year. Linsley reports. Using tests recommended by the agricultural college, farners making such tests under the supervision of their farm advisors are able to tell where limestone is needed and how much is needed to the acre. A similar test for available phesenoms indicates more phesphate is needed.

One of the leaders in the soil testing project, Madison county this year has tested 11,000 acres for 406 farmers. During the period 1923 to 1934, farmers in this county spread 230,000 tons of linescome. This county in 1934 grew 11,000 acres of sweet clover and 17,800 acres of alfalfa, the largest alfalfa acreage of any county in the state, equal to one core of alfalfa to each 10 acres of form land in the county.

In Piatt county this year 180 farmers have tested 8,000 acres for acidity and phosphato needs. Five thousand acres have been tested by 198 farmers in Effingham county, and in Franklin county 486 farmers attended a series of 25 soil testing meetings where 5,890 acres were tested. With more meetings jot to be held, Edwards county has already tested 1,890 acres.

# Cattle Feeders To Stretch Feed Sur lies To Limit

Illinois feeders this season will have as many cattle on feed as the feed situation will warrant.

This is the opinion of H. P. Rush, head of the animal husbandry department, College of Agriculture, University of Illinois, based on a recent survey of 600 cattle feeders of the state.

Having fed 48,000 cattle this year, these men indicated an intention of feeding approximately 38,000 during the coming feeding season, or 72 per cent as many cattle as they fed in 1986.

"Many of these feeders plan for shorter feeding periods or lighter grain rations," Rush said. "Some undoubtedly will attempt to make butcher cattle with silage made from drouth corn and little or no additional grain. Others will use considerable oats in the ration and some will feed molasses as a substitute for a part of the corn normally fed. Feed supplies will be stretched to feed as many cattle as resestible.

"As a class dairymen are probably in the best position to make the most effective use of drouth-stunted corn. Their regular sile capacity can be supplemented with the temporary picket-fence sile or trench sile where corn to fill them is available.

"However, one cannot go into the dairy business merely to market one croy of corn," he continued. "If the farmer is not a regular livestock producer and is minn-ning on feeding operations merely to market his drouth corn, he is limited largely to beef cattle or possibly sheep."

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COLLEGE OF AGRICULTURE—UNIVERSITY OF ILLINOIS

Timely Notes for Farm Advisers and others from the Agricultural College, Experiment Station, and Extension Service

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St. J. G. of the ert of rother which is the countried as series of core that and the control of the fatter views that the standard at some of the control of t ·n Coll construction of mic ...

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no less that is to be shout an aught a plowing the bankons.

In which there is no it sould by a secrete Wilden- me, the others same
that no eyeld is termined borever a ligherned and constructed can be every the large n serva i para pulbua aptil sula aspair.

#### Vivid Colored Clothing Safety Weapine For Chilinen

Constitutous electrication on this elong with hibstard or tehful were to be established ners we ampress asing colors old deed from he is burn on the righter, early 1900 Edua Gray, stennion opecial at an exhibit, fellow of Agriculture, University (Illicol Basing to the injuryal from an or normal conomical engagestion that "explication about the real terms of each of the contraction of the contractio serr pand la door o di cano-,

In contract to the north remons, there, for blue or gray couts will a them. so murily the time reader to and wall on recty center were now, Mich Brown wormen in v vid rols. -- i. staler bright win -- de of this winter, brisht else, a reoran a. In it a cot of the prestion to how a new root, she says out to the restion ong hid into ill ratters.

Sine children dualitie to facton car light digarments, the lag a resultialo, emply a patel clothing. This will would the perital to be floor clothing cate and an advang vehicles or electricating the edom of advancent at any time, . . . . . . . . . . . . . . . His will cars which tend to droop over the child's eyes and searfa miles fly file. the wint so two slothing lacands of tel. A longit wint reprove thit is illed you editarea, Mann Gerg telinoun.



vol. MIM--No. 9

#### Winter Parley Acreage In State Expected to To Legge

Well chited work for the ture and grain, wrater tabley in mainten in force among Illinois for user a twomene of the drouth the in meet of fall and samily such pacture as well up an early erop of grain feet and strum.

So finds Georg H. Dungst, roftseer if eropyrodiation, Soll in of Apriculation, University of Illinois, who had compared that the tive-year events of affile acr s of terley for the state will be two add this pear.

"Elades of the barley lest and books, feet arowing and unity common by grazing livitool," Diagon explained. "White berief will from well into early winter and will start a new oping about about a confict winter, broken. The grant of its early thus mating wrater books, suitable for one are a nurse crop for clovers on a small sected grasses.

"In addition to sunsiming parties, winter sule; will yield a discrete present. Its groutest analyses on northern Illinois is its tendence to wint a fill. However, some broken lived through the source number of 13cd in north on Illinois."

Punger recomments that the last be pressed in the same agree as minter wheat, seeds at the last so that the last the las

Relative to varietica, Pungar a sted that while Missouri Early Broadles in not a high yielder in Illinois, it stock the winter well on se to last grows and fits into a groups. Of valours, and rand structor livestable, Seek of this works is evallable in and tively large quantities as Missouri. Daugum sovied this only as an Illinois source of seek is known, considered they se obtained through the Missouri Corn Growshot Accounting Solumbia. Purchase of terration seek is a number by a avoiding garlie, wild thinks of cheat, so common in some areas, he point int.

A sight peophist giving results of varietal tests of barley his just been jublished by the College of Agriculture and may be obtain a upon result.

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### Illiunis Far on Using All Mean To Conserve Fornge

Illinois farmers in a plan of drouth and gradehopper damage and toking we vantage of every possible send and mitty to conserve food and forege for the country of according to rejects received by the College of Agriculture, University of Illinois from local furn edvicers.

Making use of permanent and temporary pilos. Bond county from a cold count large simply of piloge for their livestor, Farm Adviser I. I. Bruch to optime "Althouse there will be little grain field, parmers and facing the winter with non-conside. That for several placers," he continued.

Siveral Adams county formers, according to Form Advisor S. T. So well, a planning to try out winter larley as a secture this early grain crop. Who is trough siles constructed during the 1934 drouth, Adams county resorts still more a timese town—ing to this without of conserving for seed during the ore and there exists.

Demontry sale construction is splice why in Johnson county, For Advisor 1 0. Mowery resorts. In a number of counties, the extension occurred of the College of April culture has addisted in meetings in which the construction and succost to be specified were demonstrated.

Farmers throughout the state of attempting of converve all available of state and legace based. Source H. End. Scott courts from navison, that i that several fields of alfalfs will be harvered for he i, and that the pield of occidence and middle and is speci.



V<sub>1</sub>, XIX--Yo, 78

#### Pichlag Last Vegetables From Garden Centerves Tood

The lost garder regarded complete used my to good advantage by taking the minto picture this tell, suggests Miss Tall Black, home advicer at large to home economics extension, College of Agriculture, University of Illinoid.

There she convers the que tion of many Illimoid homemakers was much conserving food from every a value source for fall and winter meals.

Pickler we are way of pinting epunto the neme, and a wide variety of vege-tables are available to further the crus, then Black points one. Sentember aftern tomatoes, a cambers, be ms, herpers, onions, calbage, corn, melons, smeet applica and grapes for signing.

Asswering the christmess, roblem with which some cannons of signification leave to deal, chrivelled or christme ideals, the exclains, may be assessed by the size of too much salt or sugar or variety that is too trong. If vary swelt or some ideals a desired, the cinds it is better to first along them in a ways solution and that into a more concentrated solution.

While a smaller garden, yield will enable honoraters to declare the immediately, have finally a gy refactories the brining pocess. Entirely a go of the inmost case in robteins fire election is thes, the brining pool to may be be reasonable for coff or align my siciled. This occurs when the bring to too make to prevent the action of ejoilage bacteria or when the mid becase exposed above the brine. According to highly escential, according to Miss Block. A go i brine in rade by adding I sound of salt to 9 and of water, The volume of brine made half the volume of paternal to be if exerted, one mays.

Hollow stables may also result from holding the eleminary none through homes before their, in the bring

Among recipies appearantly recommended at this time by Wise Place and appearing in the College of Agric Stude. Versee by of Illinois bulletin, "Saugestions for Mediag Pickles," are size to grantles to be a ich may funish in the last fer was really in the gazien. Recipies also not given our form relief, a icon grayer, in the income, and righter watercelons.

The sert, got to and in the seal had gone out with the coming in of New mutrition ideas, says time B1 at, for the sinkle does not contain much food value. However, it may be not interest to dellar one this winter. The bulk the map be obtained free of chance to spitches to the College of Approximate, University of Illinois.

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#### Poccest Soils Make Best Response To Soil Treatment

The Fillingia cails which reparts the lowest yields without he count to so the best research to be latight in the resident, reconsing to a new boll tin "O on Yields from Illinois Scal Experiment Fields," published acceptly by the Joll - of Appendixue, University of Illinois.

"With the less productive could, the increased yield from treaserst that several times as great as the yield situated without treatment," the hollatic sitter. "However, on the most productive soils picket from the look without to the several times as great to any increase that could be of a book to will a could be

"Denoite this fact, on each field there were need at he would be defined that

raised the efficiency of production amongs, to pay for the ir twent.

"Whether the endy-producing coracity of the least reductive world on the raised to the present productive levels of the better soils as a fourtible. The grant and yellow soils after the years have obtained to velo only about on the little of the better intreated soils."

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Timely Notes for Farm Advisers and others from the Agricultural College, Experiment Station, and Extension Service

Volume XIX

Sentomber 13, 1906

177 July 19

#### House on and Coinch Page Worst Ingert Threats In 187

Only happy grasshorpers. Healign Alg. Whith an corn most connect in our tain arous moderate inflictations of white grains pedicanote among the concert titu which Illinois formers all issue to seatons in 1937, according to W. P. Flint, chief entomologist, College of Agriculture, University of Illinois, and Illinois State Natural History Survey.

Flut three directions on studies of the promise of different insects in the stage this season.

"In maring any insect prediction from a period six months to a period sex vance, it is always december, to result out that the woulder of the coding decomm of be such that no chance in according prior on this protessed," Think would inch. "Insects case he wavieshed as east year will retail; be grandhoomers,

"Lacente case of maviest eres a continue of the pentahometra, chinch suga, and restain control for every meaning the Sime all of the core of the decreasing control to the crops grown on may particular form and thus more than use the crops grown on may particular form and thus make the uight a little costor.

"In the communication is motivate and limited language or entired to hydratic common of many edition may and most open replicifult attention, changes of data everally to make a true operation."

nelative to graceholders, Filet moved that control measures to itself in the early stakes of their development as hoppers can be noticed at misses. From the for labor and naterials shortly ofter they are hatched. While they are a roy to also an applicable and alfaifa, greashoppers early practically no denote to must a chest grow, and multiplies conditions. Sopherus are chinch bug justs and are a little by masistant to other insects execut arreshowers.

Hisping fly and chinch bags throaten the greatest danger to which, Flight see ported. However, chinch bags do not earns surjust drong, to ment ground on abod ground where the growth of the vient is strong and the strad good. They well such fields to concentrate on power steady where the element are less visous as.

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### Hybrid Seed Corn Crop Five Tir. : Larger Than In 135

Hybrid seed corn, the latest step is corn in revenuent, will in most tive times as destiful in Illinia in 1967 as in 1676, according to W. J. thus, rescaints in plant inceding, College of Agriculture, University of Illinuis.

Approximately 6,600 across of hybrid so decorn one coings and and in the state this other as operated with only 1,700 and first a co. Normalizate 5. Against seed production this year is expected to name between 1t , an end first, a country, or enough to plant one million across, about 1t per cent of the entire corn or make of the state. Last year a couply of seed was sufficient to clant only 3 of the sector. With a proportionate increase in hybrid and applies north year, Marma action at a that sufficient seed may be available to an aly meanly every former in the state of decise, it in 1931.



.o., XIX--Yo. 13

#### Illinois Lead: In Ratia Rowth Of Soylean laustry

Soybears have formed ahead so fact an one of the never face copys that there are now about no soybean wills and a latter of cottons and mills crishing soybean products, lo mills are welling soybean flow and more than be rectoried and turning but various industrial contact from soybeans.

In a new circular just issued by the College of Agriculture, "hiversity of Illinois, circular No. 401, "The Soybean, A Flant Immigrant Makes Roof," W. .. Brukison, head of the agronomy department, lists there facts as syldence that the poyl-an has made a clade for itself in the industrial life of this country.

"Althorated to the ly rest in the located States, the object is one of the oldest crops grown," Applicant which out, "It was described in a Chinese medical book written by Emperor Shan-flung about 4,5% years ago. Soybeans were introduced into the United States in 184, yet a hundred years 1 ten few were grown outside the contract states. Figures for 1875 indicated 39,357,4% bunkels of gathered because cost of which were produced in the corn celt."

One-halt of the weaks primed in America in 1930 were produced in Illinois, Burlison reports. The cross by raged to both to the sold in the state 1-10 year and cost elected they that sopposes were produced for 66 cents a bushel as all average for the three-year eriod, 1931-1935.

First recognizes oil in the United States was in North Carolina in 191, and in the middle rest at Charago Heights in 190. Last year 31,7 , I pounds of high-argue oil were agong which sountry.

Outstanding omong the open for polybeen oil is it; see in paints and varnishe. Tests of coylean oil paint were direct started by the College of Agriculture in 196 . The university is now making literal one of soyptan saint.

- M-

#### Yaw Projects To Enliver Winter For 4-H Chic Girls

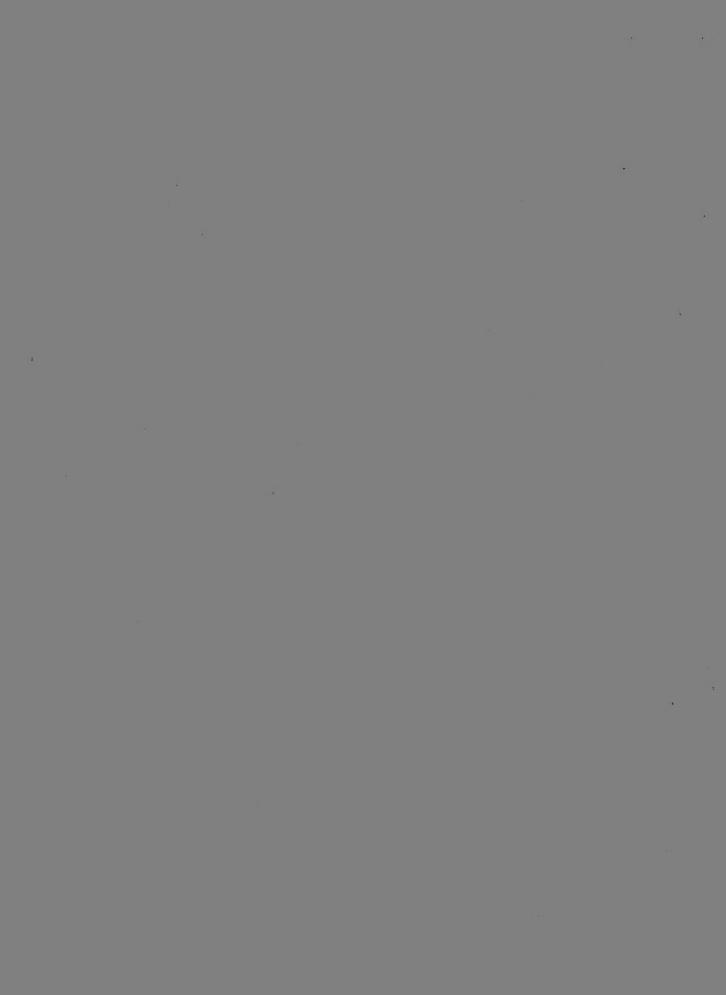
Long evenings of the approaching winter will be shortened for Illiums form girls and other reprollips in 4-H club work by means of two new stivities inoval a the leasure hour project and the party-a-month club, unnounces Miss Mary A, Mobbe, girls! 4-H club apecialist of the College of Agriculture, University of Illium a.

Lesi med as means by which local 4-H class may remain organized during the winter months, and at the same time offering something interesting and educational to do, the leisure hour inspect in going into its fourth year of popularity, Will Make reports. Starting out with an envolvent of Figure line first year, the collection carried by more than 800 4-H club members last pear.

The party-a-month club is being industrial of this year following to begant of 4-H club members and leaders who wish to learn more about the methods of entertaining as well as a means whereby the club months can have acceptained to the de-

Included on the list of a creat denticies for the leasure to. Taket our the making of a quilted or creat-atitem denandproblem ages, the matter of a dividual letter stationary from charcoal paper or account, apper, knittin, or a court or accord, and the chird of large sports hendkereniefs or accords from despertive courts or liner material.

For girls interested in coolding, regreations are given on to incline of veritable idea and idea organs. New receives for the meeting of promit countly, thousand and gelatin condier are offered to those interested in the condy profess. And one look as to make potato chaps, or the interesting leaderst, allegations and other inclinations, says Mida McKee.



vol. VIX--Wo. 39

#### Form Arme Kitcheng Can Be Rearranged At Low Cost

Februarie to the formal situation to this also more pleasant and convenient place in which to wook has been adnomplished on as little as 27 cents, and many how a have been modernized for leas toge \$15 meronts the Windys West, howe economics specialist in home manus ment, Yellege of Agriculture in mineralty of Illinois,

Country to the spinton that a large cash outlay is necessary to being the country mitthen up-to-date list and points out that eight changes totaling all cents were made in one mitchen through the combined efforts of husband and wife, labe lumber was ared to the diam. For hear the more cloter. A train round wire laced on the sink, and the rege contion of the kinchen suprement was rearranged to give a tter efficiency.

Homonogers have been on an to work to far as ten or more ailes a day mathin the boundaries of their hitchers as no to soon arrangement of a priment, it is ford said. Fatigue and inefficiency to a pointed out an innect results when the refrigerator is located down celler or will be a related home in the pantity. Since the average homewater mends of procumentary one-half or more of her time in the mitation of practical adjustment of mony of these problems is about to have a considerable portion of her time and energy.

Among the faults corronly found in the hundreds of Illinous lines which lits Ward has helped to modernize within the last few pears are size of ritchen is wrong for the size of the family, location of kitchen equipment is inconvenient, drinking water must be carried from a citable well, soo many activities are carried on in the kitchen and insufficient light and ventilation are provided.

A few simple receases will dispose of the majority of faults in a practical acomposital manner, lies Ward funds.

Having water piped into the sarm house witchen is probably the wort immortant and the cheapest convenience to pid homemakers, it is found.

A screenedarn porch which opens off the stream door may herve as a lining room in a namer and as a storage room in winter, days Miss Word. However a peach oversholdwing kitchen windows will darken the room. Two windows which may provide direct sunlight and cross ventilation are recommends.

A large pointry may often be used for the laundry equipment, Good enamed paint of lied to malla, certing and upodvorts will muse a durable, sanitary and eavily cleaned wall surface, in Miss Ward's opinion, since heat and moisture are hard on wall paper.

Smooth, level wood floors may be protected by cementing down a good stade of lincleum. Varnish is recommended to lengthen the life of the lincleum.

Pots and pans located mean the stoy mives mean the sink and dishes mean the dining table will help the homempoor save atops.

- 15---

When of field encolage here asers in fulling tranch siles in equivalent terrorahout the state, reports R. C. Haw, extension specialist in equivalent conting in inj. College of Agriculture, University if Illinois. By mans of this electronat, conting out, put in sile and paked without being hardled by bond, thus eliminating ford word and reducing contra

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COLLEGE OF AGRICULTURE-UNIVERSITY OF ILLINOIS

Timely Notes for Farm Advisers and others from the Agricultural College, Experiment Station, and Extension Service

Volume NIK

Royal Park Time

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#### Seed 3 on Selectio. Outers Extra Evenior Tor. Sell

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The vest till think, with a crow, we know that, in which he eld not of it deates, with the critical to the sound tage, and when the new some costs with the specific till a few sounds. However, with the activities to the form the element of the sound to the specific till end of the sound till the sound til

"It imposes the feet that no very legist new too la, a lection of about my redelayed until offer the tiper blant legist," Image saw real, "This importion is recommended only main the legist on taking and green at the tipe of the inport, This plants a sixting offered of able on about the devict, is not lays without it frost. There is a paper of ear or injury if the send is left in the real number of errors, since the terms of a tray go like allowed to will one come."

In recture to extending in selecting recting according to D Lynn, sowerest cleate, on action because in the stale, ear shade of some beaution in the training of line, stellar victors on an extrant, some well covered by the runts, as in low or the intensity of the source, as in low or the intensity of the source, as in low or the intensity of the source.

sound and the virth note; "Attach to the same the sound to the sound and the sound and the sound of a like late tion," a contract that, "This course like to the sound for the complete sound as Flort note silvertion is removed elect selection.

"Sect selected from a five is not adequation by infrastruction of the corporation of the corporation of the corporation of the corporation of the continuous off the continuous of the continuous off the continuous of the continuous off the continuous of the continuous off the continuous of the

produced then note resistant to locating then the average locatestic actionation that," Duagna recommends injury in the features of an armost influent of they are harvest 1. One stable this rank and an open lucing the people of the viding for tree notes, but are not appropriately for the proposition of the contract of the throughout the cinter, but was its vithest contribution of the course of the

"There is little on he more in the Jacob to the growth of Lordon the relation is seed obtain." From an one had a

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#### Boil Survey Airmon & Tru. Planton Reget Lacidad

Thirty distinct soul types form having its own definite succession cannot that in other, have been not gailed in It had a many that if the last of the It is legens? Assistables, University of Illianum that will now play but the last of the been mixtures.

The Cline Lagrany and restrict in this person in the section of th

Printed in turniciance of the Action Figure 1 country, Act approved by Crossess May 8, The B. W. Million C.



#### Soil Eracian Remains Problem Even In Droubs (ears

Include of solving the spil washing problem, the record dry verther of the past summer has undersomed are sign more threatening than ever on top cours of a second of rolling cultivated land in Illinois that one not arecoted with tear one, according to R. C. Hay, thereion appearable to a record name it engineering at the College of Agriculture, University of Illinois.

"While soil losses have not also for at Juries the dry small the droute has reduced vegetative lover making it easies for heavy rains to carry away volumble top soil," he explained. "Burdecrook, to thre half of new alfolfs and wheat need bere is exposed to a right error on losses for on fall and mains and a least terms of terms."

For conserving the soil at his east, Hip counts out that it is its to terrace sle include after serve corrupt because only n

"The source of most defined by in constructing the teresce center is terrace outlets," he as erect. "Emeouf water from terraced fields must be declared off through an outlet march my levelsy into a contralescent gully unless your procue structed.

"Wide, mallow ditense, well sedaed many the most satisfactory and most economical obtain. In some case of a natural inswings to aski, while in some chemical outlet ditablement be graded into the life that the to be termed in a less to have a good old established in the old to before the serves are built,"

Locating and presuring all toutcher are the first base under wen by farmers who given to termed these fisting. Empertions an plancher at process, the staxing and constructing the termods and fermion termed land are not then in Circular Po. 4:9, "Impraces to Save Soil," written by Hay and E. W. Mehrenn, head of the desirthest of expicultural engineering, of the memorial coolings. So deep of the publication may be obtained by writing the College of April 1:00.

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#### Fatile Soil Frotests Wheat Appliest Insist Dennie

The more fortile the land on which which is a cood this fall, it last there will be from injury chases by Hessian fly and chinch raphy say D. B. Hiller. absocrate in soil experience tickly. College of Agriculture University of Illinois.

"When the fly intertation is deavy as it assumes to be in rections of Illinois this year, the presence of elenty of available hosehors is after the rector which decides whether the relations will be a naccess or failure," Miller available.

In illustrating his statement, he quoted from violds obtain is at the January ville boil Experiment Field in Magazara county. Three anchor natural late is at year averaged 7.1 cushels an acro, while three procedute-fortilized olors in the same series seeded at the same time and recording the case of well made an across girld of 20.1 bashels.

On a series of liots in bontgoming county on the fly injury to especially bad in 1956, the introduced fund made an average field of only 5.4 bit. I , while plots well suglised with chosphate crilled with any wind average 19,9 line is an acre,

"Wheat grown on land low in available shouthards is an easy vietla ex-Hessian fly, despite the date sown, and usually produces low yields even in encount of little or no fly amage," Miller contraded, "Furthermore, a feetlie of in a is in the control of other insects, Experience has showed that well-nouring and to blood suffers severe damage from chinch bugs, They now, to a feetlie of the growing on less fertile stil."



#### Sim le di us en Prestment Natas Forts Lage Ionger

Even villow and rin one fence route has be made to last 15 years or more in given a morevative treatment with evaletar products, and J. E. Isvin, extension forester, follows of Agriculture, University of Illinois, and Illinois State Than a History Survey.

"In femore costs and trement with preservatives, interior a action removed from the form woodland in immostrating cuttings may be attlibed and the more valuable species left to snow timber? Isve that, "Irretting is act a difficult occution, and a treat or land can be not a smally at little expense. That is not restrict for treatment varies from six to 1 occurs out."

Since green or split just will not do for invaring or recommends that the posts be dot a year in advance, a cled and standed forsel, off the ground to season thoroughly. The longstlondric in varieties of the head and bettime the drum on a originar stone base so that a time of a relative that because the drum on a originar stone base so that a time of a relative or the time of a relative property in a good therefore that will register a to the besting joins in the only other enemial equipment.

After II to 30 form-incoments in the drug, enough present is edied to bring the level to hear three fort. The orespects is then meated to the tell level grees Function to the this to restain confine and for five hours and the precede hept at the three-toot level. The fire is then drawn and the tank conclutely filled with creators. Attackpoling for ten hours, the costs are removed, the most ends dipped in the moreover, then stood up to dry and the process remented on emotion group of soft.

Species of trees providing bots that is noted to at one cines, hickories, mades, operas, willows, and one, there one, in only symmone, sum, American elm, ash, to two a, humany, incorrect and hirrhy frecies inviting motor tell durable posts which are incoved by treathint or and the, there chairly totterast, resisting, arbor vital and total one. There durable without an absent are helpe, there locat, mulberry, and order, white only, not one, then only locate and entalps.

-11-

#### Frozer Housing Reduces Risk In Handling Herd Sires

Tated accidents is where Allinois dainy factors have figured in the post few years might have been avoided with a moll-planned and mell-construct decil she to exercise pard and self-by has ding stall, according to Size that 46%, "Minester the Dairy Bull," just issued by the Sollege of Apricultury, University of Alice ().

Trituen by 0, 5, kindle thiny attention records t, and W. A. Me ten, sameciate chief in rund architecture, the care due gives alour thus for an exact twotion of one - and two-unit bull she is one list the materials a cled for their carestruction.

struction.

"Heat dairymen are relacted to the older build mainly because they recall their care and management too difficult and magnificult," the explore attained these districts can be overcome by well-design delacting and allerty of a second

"The excient and safert way to provide meeted exercise is through on exercising year adjoining the bull shed. A yeard to 18 feet wide and 0 to 7 feet long is extinfactory, since bulls will take more earn to an a loss necessary than in a square one. The yard need not be excensively constructed. However, of fencing material should be set inside the posts, one is rount of which to in concrete."

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Timely Notes for Farm Advisers and others from the Agricultural College,
Experiment Station, and Extension Service

Volume MIM

Pumber 41

#### within ini Compare State's a st Entitline Intr

Alfalia and come a minuse to be an Illinois farmers' neat a resitable oray, with stylesus 2 mathemate and year building buind also farmerly normals by winter wheat.

These nations one may often by the deport and of against local economics, College of Aquiculture, Theoretically of Il into a an entrul port of the atoma for most in the area sentrally on the fitter take. Towaring period of the years, the study above of the considerant leaders with somewarm we go in months into this interest.

"Aliklo slowers of the house of the some, form \$30.00 unless; when the form office is the most of street to the piels of ore on this figure compared with the first of growing of forms of growing sech one for the grat three years." H. H. Will accessorate organs of farms of parameters would inch.

years," R. H. Will an asserting ordered of farms thereof, explained.

"The position of lemination of feet to be a vertel longuage by the sount of feet mutrishes you musel a some, since the costs of growing an observable form, snyleds, of steadon as four the same."

In the it rest \$70.50 to prime an vector core for block wielding two and one-hold that in the Admiron of the ent \$10.00, applying \$14.00 has not \$16.41. These costs in the takes and interest in the investment in the tail equaling about \$7.51 at the real stailed. The report coins has then best the relatively low above out a cats, the ferrovalue of the orange than very years failed to cent out of modulation.

Met was if or incing a makel i corn in the area lust year was of cents with a randver ging Si bushels on ears. Sayreone, with an average yield of foot bushels an agre, were included in 50 cents a bushel, and winter what, averaging for bushels an agre, cost 66 cents a bushel.

214

#### Jerusaler Artichake Ma "Mander" Croy For Illinois

Dulture of the Jerusale cartiologic offers of the grossiticities to Illinois farmers for easy profit than numerous form or not that are extensively grown of non-sent, according to W. L. Purlison, head of the agree or deport ant, Italiego of Asric Atura, University of Illinois. He is or-author of Technic 1 building No. 314, "Stail soff the Dulture and Sent in Variaties of the Jarus let Anti-mobile," which has push seen issued by the U. S. Iepurtoeut of Agric Otupe.

Within the last deceds in or, a minimpress interest has developed in the plant in this mountry largely as a result of its accessible value is a summariable state of the seemingly imposints future excessibilities have led to a sum unich ceticism.

The new billitic reports studies rade in the mode accepts at an experience ture in order time with Illineis and other attitudes and at state of the termism that is for level to ingening and to make and efficient apply an exact one authorized for as wessille costly and isogen as exceptional and a contact and at a contact.



V-1. XIX--F . 40

#### 50 Foultry Clinice In Front to In Prive Ch Disease

or recording to countries that is a set \$4, 20,200 which I Dinnis coultry floor avners the suffering thru Gy because of the new atothe scultry discusses, ten of a script of 50 soultry clinias for thick converse solveds of instruction for local veteriner-ions have seen count to increase or counties of the state.

Total veterin rions and fare divisors on concerning in the schools and clinics, which are being held by the extension's rvice of the College of Agriculture, University of Illinoid. The selection of persining a times includes Effingle a county, Cotober 10: DeWitt oranty, of Minton, Cotober La Ford-Parkin, of Goldonia, Catober 26, and Payette, of Voidalia, Newson of C. Other oligins on yet to be schooled.

Meetings were also dy Swer hald in The Sign. Stephenson, Winnelds,

Jefferson, White, Song and Morion, Royette, Fortunal Inequals of untiles.
"Dominete some birds for what to the elimina by flock comeans have confirmed the findings of the dignostic Interstory of the college that intesting a quesites are the worst energy a coultry," wid In. Bo out Ambro, chief in our also bolissy of the agricultural college, who has been of the clinics and schools of instruction.

"Control of the charring loseer and being a used by carasites and other youltry lise see lies in improved notices of conumerant," he continued. "This is turn means alon ground, ale minutes, place feet, and mater and aracer beloated rations. No redicine for prevent his age, no rine can had include health and no vectine can revent worm infection. The send is for simple me manes of claumliness."

As a result of the clinical contractoring of the giving assertance to floor owners in the giranosis of erequiling analogy lineases. This service will in moterially in preventing larger from discuse, Dr. Or how believes.

#### Then ers Act Dr ata I int Is Deed Of Cree Diversity

Grasshoreers in the drouth the just summer move eight sized that Illinois farmers ray out PO to Durer cent of the total expenses of growing and harventing a crossieif me the order starts to mature and defore they have any essur now of arein formation.

This fact, and rding to A. H. Wilcon, desociate professor of fare management. College of Agriculture, University of Illinois, earliagizes the need for diversity in crossing systems.

"Piversity." he emplained. "mill parend the right of weather and insert damage over one's that can use stored as soil stigture and that make their seed develorment during different contha of the growing season. A diversified proging system

also makes for a nore economical operation of the far.

"There is writibly nother large industry alone cost of operation has so little control over total output as in prosproduction. In east central Illinois, baring the dry year of 19 4, a representative on user some growers of dimeions versue yieli filò. Shushels noore. Thoir growing coto that gear were W. nor cent (i the digt of the corn in the crib. Tast poin, in these sone : Tas, when the corn yield was E8.2 bushels, growing mosts were a . . , or count of the total."

Amona the small grain orans, fixed and proving or enlitures, moreostry and fore there is any indication of an tothe characteristics, are a higher a rtill of the total most than they are in the mass of corn, Wilcox assorted. Turing the cost taken years, as per sent of the cost of archasing sopheries is in the order of our time as time entered the field. For winter wheet, he am anto total total most of medium ne the erop and for rate () or cent was necessary referral arvesting countiers as me.



#### Thribit Homezaker buys Blankets Teffice [cl] Weather

Although April these is economy menth for highing cannot seem home length aby home ut off that but note now, awing to the disconfict of hot weether, sogs Miss Dorothy laig. Above too miss extension specialist in home furnishings, Octlege of Agriculture, the vector of althous.

In the clade the content the blanket is bought the better. For, as biss Iwig puts it, "spiting out the succlade so worder tell covers will the first to ld pight has led many a basewise to another the first blank t which the store offered without respect for practicability or future comfort."

Paper or compute in advance enables one to select the secretic binnlet for the purpose and to take superifically the details which level to wrath, gipe, and durability.

Read the Babel, in her first eninter—Seep blanket canufacturers are giving more information on the saled especially in report to the parametage of week in their articles. While they are not required to in this, in man, cased they are trying to conform to some fairly centain attackers which have been set up, she says. If the article is not labeled, Miss lying a concembers to ask for specific and matter.

No finished blacket intrining less than bloom sent will can commy the more "wool" in any firm. Blacket theled "part will contain from I to DE common will-nowner, no less. If a rether neef with of the planket is will, the bemeabler should be able to tell the error percentage of word by reading the label. When DE per cent or more is with, the blacket can be labeled "allowers," says Miss Iwig.

Part will blockets, she explains, generally have a cotton worpound a will or wool and cotton filling. The can be made nearly is work as will if the magins but fluffy and saft. Insulation union gives a liablit its heat-retaining properties depends upon the texture. Soft even deep, firely held in yorn gives the maximum strength. A weave which is often and even gives wornth and wearability.

Durability, according to Miss Isig, depends on the quality of fiber and the amount of mapping on the blanket. Form fibers give the lest service. Loose fibers often rell us in little balls. A test Miss Isig uses in to rull gently on the map to see if it holds firm, or some out a sily. If loose, short fibers are probabl, present.

Ither point as Miss Imag gives one or make sure the bindings and finishes are durable and will not shrink. Two rays of stitchings on sutcent and section bindings and a lock stitch in actions to make made. Findings should be exted at the corners and folded back at inch or a

General appearance, which appends in how well the color is retained, is an important item to consider, as to the fact that the ends of the blancet should to cut straight. One can tell the latter fact by holding a blanket up to the light to see in the end is cut that light to the filling threads.

Securing il maets long enough to stay tucked in at the foot way be and evod by measuring the thickness and depth of the mattress, then adding six inches for tucking in, while allowing alonty of caterial at the hoot.

Single led blankets average (4 to 7 inches to 60 to 64 inches. Thankets for twin tels range from 36 by 76 inches so 66 by 90 inches. Double hed thenhold cone in sizes 68 by 60 inches, 70 by 80, 72 by 84, and 10 by 90 inches. In any event the blanket should be 16 inches wider than the bed onlifted some to be inches braser.

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COLLEGE OF AGRICULTURE—UNIVERSITY OF ILLINOIS

Timely Notes for Farm Advisers and others from the Agricultural College, Experiment Station, and Extension Service

Volume Fin.

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ports F. J. Figuer, at the coordinates of the soil Conservation Service.

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wisi grave, that is restainment. A restainment, then were and high light rain report. Three taken is 100000 brees and a room to dry 1000 some rather dynamic security lanted by the Soit conservation service in the part to vegrs.

### Hylmd Corn Thrives Issuite & to cas Fron Seas a

By and care is showing up to cover the ogen this saws a december of ing its super rity in years of a situal degrees of a still not, who while to real to we cerver by the "Tiberest April Africa ture, I have maith in Tourn is from four in vising him are hading byorid and field toys over the of he.

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#### Better Cropping Systems To Be Pushed In 18 Counties

Planning a cropping system that follows practices recommended for conserving soil fertility and organizing the farm for more efficient production are problems that will be considered in a series of all-day meetings of farmers in at least 18 Illinois counties during October, November and December.

Open to all farmers interested in improved farm management, the meetings have already been scheduled by the extension service of the College of Agriculture, University of Illinois in Henderson, Warren, McDonough, Fulton, Knox, Stark, Peoria, Logan, Sangamon, Montgomery, Shelby, Piatt, Ford, Edgar, Coles, Wabash, Edwards and Jackson counties.

Dates and places of each meeting will be announced by the local farm adviser. Additional meetings are yet to be scheduled.

A portion of the meetings will be in charge of J. B. Cunningham, and the remainder will be conducted by M. L. Mosher, both of the agricultural economics department of the college.

The morning session will be devoted to a discussion of established principles of farm management which have been found sound after analyzing 18,000 financial records kept by farmers in cooperation with the college and the local farm advisers. In the afternoon each farmer present will apply these principles to his own farm, endeavoring to work out the best possible cropping system to fit all of his conditions.

An outgrowth of the farm management service in which record-keeping farmers of the state have been cooperating for the past 10 years, the meetings represent an effort to pass on the benefits of this study to additional farmers.

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#### Culling Protects Flock Profits As Feed Prices Rise

With feed prices soaring, Illinois farmers who are counting on eggs this fall as a source of cash revenue will need to watch closely those practices which tend to lower production costs, advises H. H. Alp, extension poultryman, College of Agriculture, University of Illinois.

Feed is usually considered to be 60 per cent of the total cost of producing eggs. However, Alp points out that it will be folly for most flock owners to attempt to concoct cheap rations by using unsatisfactory substitutes for some of the standard grain ingredients.

"It will pay in most cases to stick with the regular proved rations and to look elsewhere for ways of lowering the cost of production," Alp said.

"Culling the flock to eliminate all birds except those in top physical condition is one method of lowering production costs. Culling not only helps to eliminate wasteful feeding, but also tends to lessen chances of future mortality.

"Reducing the size of the flock to fit the house so that each bird has four square feet of floor space is also important. Special attention to an adequate supply of water, especially during cold weather, will also go a long way toward lowering production costs.

"Cleanliness of the water is as vital as the abundant supply," Alp continued. "Keeping the water clean, not by pills but by clean dishes and stands, is one of the chief methods of obtaining efficient egg production. Furthermore, the value of good care and cleanliness around the poultry house can not be overestimated."

-M-

Since each section of the state has its own set of climatic conditions, soil types and fertility levels, the College of Agriculture, University of Illinois, each year conducts performance tests of hybrid corn to determine the right hybrid for each section of the state.

—M—



#### Feed Agency Seeks Any Available Feed in Illinois

Illinois farmers, feed dealers and shippers can help relieve the shortage of feed in drouth areas by listing with the Federal Livestock-Feed Agency, 755 Livestock Exchange, Kansas City, Mo., any information on hay or other forage which they have for sale and available for shipment to drouth areas.

Notice to this effect has been received from the Kansas City office by the

extension service of the College of Agriculture, University of Illinois.

This information on available feed supplies is furnished by the federal agency to buyers of feed in drouth areas. Such buyers whether they be in Illinois or other states are advised of the nearest source of the type of feed they desire. A similar service is available for sellers and purchasers of livestock.

More than a quarter million carlots of hay and other roughage have already been listed with the emergency agency as available for shipment to drouth areas wherever feed is needed. The agency does not actively buy or sell, but aids in the orderly transfer of feed and livestock to and from drouth areas and regions of more nearly normal rainfall.

In the 1934 drouth emergency the distribution of soytean hay, corn fodder, feeding straw and many other classes of roughage and forage not ordinarily marketed through the regular trade channels played an important part in carrying livestock until feed crops became available in the spring growing season of 1935.

Additional information about the agency may be obtained by writing direct to

Kansas City or from county farm advisers.

-M-

#### Use Of Limestone Heavier In Many Illinois Counties

More limestone is being spread in Effingham county this year than during any previous year, according to Farm Adviser V. D. Evans, in a report to the College of Agriculture. University of Illinois.

Extensive use of limestone is not confined to Effingham county, however, as Farm Adviser H. A. deWerff says that limestone shipments in Woodford county this year have been greater than any season since 1929. During the month of September alone farmers in Jefferson county ordered 28 carloads of stone. In Pike county Farm Adviser W. B. Bunn last month tested 10,000 acres for limestone needs for 327 farmers. As many as 27 carloads of stone were applied to fields in Franklin and Hamilton counties.

C. M. Linsley, soils extension specialist, College of Agriculture, University of Illinois, estimates that 750,000 tons of limestone will be applied to Illinois

fields this year.

-M-

#### Soybean Oil Meal Helps Cheapen Rations For Layers

Soybean oil meal, costing approximately one-third less than meat scrap, may successfully replace part of the meat scrap in a balanced egg mash ration, says H. H. Alp, extension poultryman, College of Agriculture, University of Illinois. A possible protein combination to be used with 400 pounds of mash might be made up, says Alp, of meat scrap 50 pounds, soybean oil meal 50 pounds, steamed bone meal 10 pounds, ground limestone 5 pounds and salt 5 pounds.

One hundred hens not laying will eat approximately 19 pounds of feed a day, 100 hens laying 50 per cent will eat around 24 pounds and 100 hens laying 70 per cent will eat about 26 pounds a day. This evidence that high egg production lowers feed costs is ample reason for giving the poultry flock proper care and management.

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Timely Notes for Farm Advisers and others from the Agricultural College, Experiment Station, and Extension Service

Volumi IIV

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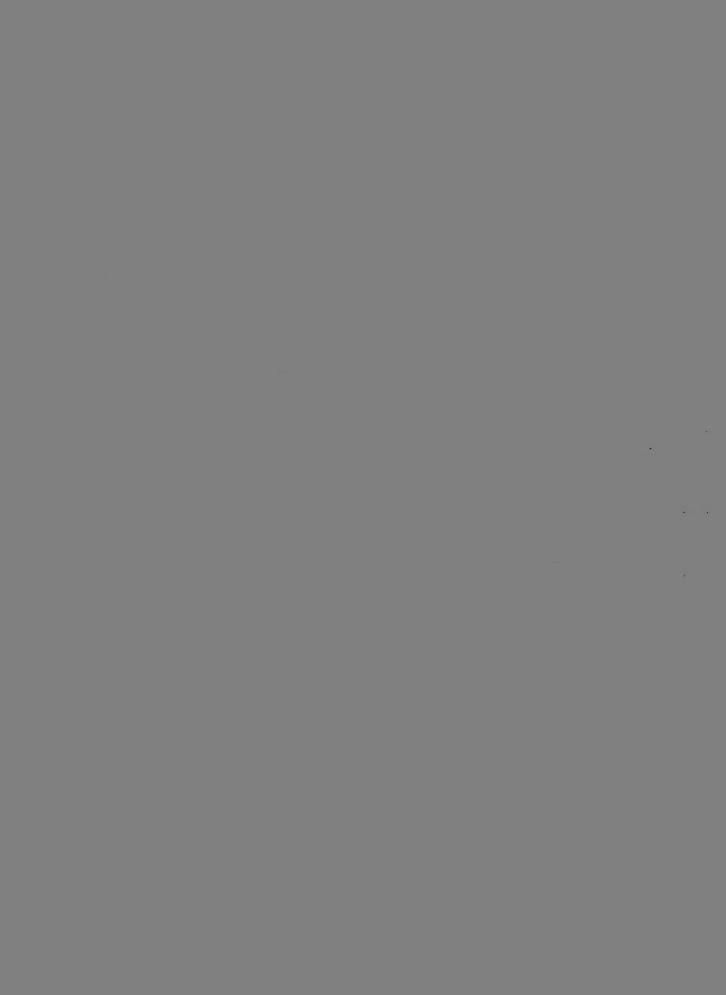
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entlet by tying into a good in which a aron inlet colvert riperh of been installed. Attention was also directed to a mell correged woodland on a riple which has in orrall by reago. The stant of black is must and other hardwood a ecies of trees v a thankel wher the squerviction of the estimator a rvice for oter.

At the H. C. Wolfe form, near Durphysbore, the group a w a terrace outlet that in the process of construction and at the Heary warrance watched contour closing with horse newer chainswested contour enstruct runovs.



#### 6 -Bushel Cor: Crop Is Produced On Steep Hillsides

How to produce 60% whels of corn to the acre and at the same time maintain a fairly deep covering of tertile soil on steep slopes was demonstrated recently on the farm of Otto Berlage, so Daviess county, as members of a farm management tour stopped at his place.

His total yields for last year, including 76 bushels of cats and 1.8 tons of alfulfa have an acre, were considerably larger than the average of other forms on more level land on which farm account records were hept, reports J. B. Cumningham, extension specialist in farm menagement, College of Agriculture, University of Illinois, who conducted the tour.

Members of the grow found all of Berlagh's tillable land limed, with the result that he is able to have 64 per cent of his tillable land in alfalfa and clover, They found good quality livestoch effectively utilizing all the feed cross produced on the farm, waking it receible to return cannot to fields from which crops were removed.

Among other practices rostered by the extension service of the agricultural college to increase the chickenny of crop and his stock predartion which members of the tour found (constant ted at the Burlage form was an improvement program on non-tillable pasture land including the coisoning of white grabs is bluegrass.

To control erosion, Berlage has terraced some of the more moderate slopes and practices atrip farming on oth ra. A new atomy hall state have been reforested, and a long diversion ditch has been ealt high on a hill side to coary off water and keep erosion at a minimum.

"In abution to his good form management and soil conservation practices, Berlage has believed his power and luber set-up to the needs of the farm," Cunninghom said.

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#### \* Hopmer Egys Three To Pive Times Thicker This Fall

While it is impossible to forecast the number of grasshopper eggs that will hatch next spring, W. F. Flint, chief entomologist, College of Agriculture, University of Illanois, and Illanois Stat. Patural History, reports that a preliminary examination in central Illinois showed thopper eggs to be from three to five times as abundant as in the hall of 1986.

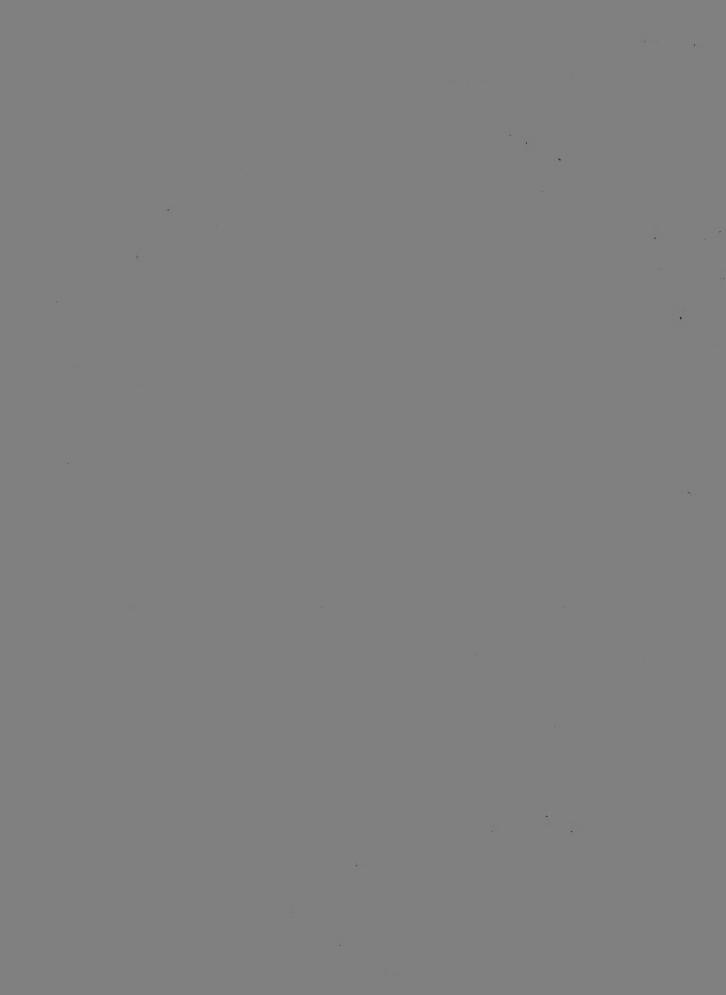
The central Illinois charasemp was the start of the annual curvey made by entomologists of the agricultuand college and the Natural History Survey to learn the location and density of garashopper e.g. these. Recults of the survey provide formers with some idea as to how much thomper darkee to ensect next year.

Since many 'hoppers are still alive and capable of laying eggs, it has been impossible to start the aurvey early a thin year, Flint indicated. A complete report will be made available as soon as the survey is completed, which Flint expects to be around the middle of November.

The abundance of eggs this fall has been favored by the ideal laying conditions of late August, September and early October. Fall plowing will destroy those eggs laid in fields. However, the preliminary check-up in central Illinois showed the greatest concentration of eggs to be along sence rows, ditch banks, field margins and road sides where they are not reached by slows.

road sides where they are not reached by plows.

Despite the fact that cold winder weather has little effect on the eggs, much depends upon the weather next spring and upon predators and parasites. Warm spring days with some gentle rains will favor hatching. Insects which find upon grasshop er eggs are present in such small numbers that they can not be counted upon to destroy more than 5 to 8 per cent of the eggs.



#### Magazable Man Tar Tesala Mest At Provid in Wovember

Three outsides are annihorative will be brought to the annual mosting of the Illinois State Vegetable Grovers' Association and the Central Illinois Hortic Itural Society at Pooris, Lorence 13, 19 and 25 to give Illinois garden as and fruit growers the latest information on cost of their major problems, it is announced by Les A. Somers, vegetable quidening entension associalist of the College of Agriculture, University of Illinois. He is less time in the program arongerents,

C. H. Mishbay, enterein professor of regitable gardening at the Hew Jersey state university, Nev Princeton, mill sparr on "Small Flout Houses" and "Desirating of Vegotable.". Upra Bolley, of Schooleraft, High., the raises about 20 acres of jotatees under inlighting each year, while a call on "Graving Cotaces," and F. C. Grylord, vegotable extension opecialist of Practic University, Test Lalay ate, Ind. will discuss current a soins in the real temp of vegotables.

Another facture of the noting will to claim-day obscious for women with Miss Lary Wright, home officer of Raille Station T. I.S. Chicago, and the Hereica T. Barto, of the home secondales dependment, Coll. of of Agricultum, University of Illi-

nois, o the principal equalies .

A contest to fiel and te chamien in the bundling and tying of ver tables will be one of the final events of the gregoria. There will be each to contests for menously them is then a final characteristic to be tween the winners from these two divisions. Within howe corvel apties that they are to be extend contembers for the state with the entirest who through her benches and to deal dependences of carrots in three milester.

Other a labora baside she than authorate to mathematics who will grow on the program and C. R. Heles, sound by of Cooperative Combanant Councile, Midney, who will open on "What Are Coloradas! Conneils ""; Frof. J. F. Tillutson, Bradley Polytochnic Institute, Ferria. "Selemental for Agrical to Vicetabia". W. C. Compton, assistant entomologist of the Chimage State Meture: Mistory Survey, "Soul Sterilization, " and Reinhard Boshla, Chillicothe, "Growing Link Beans,"

Members of the Larticulaural department stain from the College of Agriculatine, University of Illinois who will be on the program are Dr. A. S. Colty, chief in small fruit culture, "Grading of Soll Fruits": V. W. Melleg, moticultural extension specialist, 'Onfiver for Expanse on Aprile, "now Somete, "scowing of At-

paragus."

### Haw Record Set Wish 13,276 Emrolled In 4-H Olub Word

A new state recentling been get with an empliment of 28,2% Illinois form boys and girls in 4-H club (rejects for this plur, report E. I. Filcher and Mass Mary A. Mallet, saturation special has a injunior plub work, College of Agric Stury, University of Illinois. The 1936 enrollment represents an increase of 1,891 ever lest year, when the total was 26,085. Agricultural projects account for 15,081 of the 1956 enrollment, while home depriories projects attracted 12,915.

In each of the 1.3 counties of the otate these farm prompators between the ages of 10 and 00 years have been learning approved methods of crop and live took production one better homening practice ander the energy side of the entention corvice of the agricultural college and local form and home advisers with the cooperation of local club leaders.

In the agricultural reject. 13,331 from porth are enabled, with air clubs proving the most popular, attracting 4,808. In the strictly home economics projects, clothing proved the most copular, attracting 0,660,

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### Dairy Rothbos One Be Revised To Meet Feel Struction

faced with the necessity of stretching limited feed a policy over the manter period, the second Ichinas deligned are alcourng the policy of determining the advance the amount of processes and grain available and defection free a look to the face of plies, according to 0.8. Subjective entry entension appealablet, Daliege of Agriculture University of Illinous.

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Organized campaigns were conflicted in his counties that year, and to absent of Si, a correct and when was reported. This makes tender that it is so contained to the contained of Si, and the conta

of the amount actually treated, Dr. Groben boll ver.

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Recipes which have to a market out and tested up the Illin is home economists are now evail the in a bullatin called "Ways or Wing Soft. We as Fool." It may be

obtained by waiting the College of Agricultum, University of Illinois.

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### Illinois Mil. Occupantives Flor for St. Faul met

Members of Illinois cooperative mil roducins associations will be is resented among the 2, 1 Releg ter and proster the will a coblect St. Foul, Min., Movember 9, 11 and 11, for the Seth shim I convention of the M tioned Cooperative Hel Froducing! Federation. An amnumeement of the program of the annual section of this, the offest and I report comparty federally of cooper tives in the nation, has just been received by the Opliers of Agriculture Thiveheity of Islandis.

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Volume XIX

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"That is more important lights it back to any, contrar forming was a monature. too," Gaile haid. "After a resonation it is easy to see white the rows have been standing 1 vol full of cot e all of cold con of into the coil characteristic. Coldon if over does one got made to a prints the northern,

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After convertive with the Soil Conservation Service in the construction of terraces, butleds, concrete amount truductions be to bis McLean county fair, G. F. Helds Pleominaton, ago that he is convinced that with codinary care and crop control erosion will be remained in surrected on the form, making it erofitable to build upsoil fertility.

The location and for traction of terraces to described in a new circular, No. 489, "Tarraces to Says the Sail," which may be alteined by writing the Collect of Agriculture, University of Illinois.

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#### Dairy Industry To Repor These With Brayen Report

Reflecting the growing depend energial in the concustor of the set on entire day's discussion will be a so ted to the contracture of class one dairy contractures ifrom all sections of the mildle west entire at the College of Americal tone. This refits of Illinois, Is wember 11 to 14, for the annual Dairy Memodageners Confer use.

Other problems to be one planed in the foundary meeting relate to the mentities of mile and the momentation of its ensum and hitties, recording to  $F_{i}(A_{i})$  with head of the dairy department of the college.

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### Flactiful Super y Of Turneys To Test Saill Of O his

First flity that turkey will receive a unminous wate as the professed ment for Thin equation as seen this year as 20,000,000 wirks head for the restort. This is the last or crop on several, according to resents from the U.S. Bure as of Aprical-tural Equation.

Tith other cost prices in the bighter poster and with incomes above those of lost poor, in turney is certain to be the content of interest in may made. How much it will be enjoyed all depends or its proporation and conting, says Miss Blenna Henderson, at her a second set in finite. College of Agriculture, University of Illinois.

First of it, thereugh of ening is necessary, only disc. Hencerson. The family turns "thanks down" on any pin of the configurating wing tips in boiling water for a low sinutes is the apparent way to a new wing tip flethers. A small pair of pliers help swith this top. The firsther are reserved a city with a strewkirry buller. The civit is then singed, we associated as a theorygly. Some homeorehors profer to use collinetar, this to make made to sometime with scap and water. Both scap and to be are effective to make may the smaller of the flowingh reasing with cold mater is required after edge. Drynne the bird the roughly on the inside arevents the stuffing nor correcting engage.

Transping former the limitant an economic was so that the winge and logo do not dry out award or kind, the limitant Miss Hamistone. The lost outher is to slive the skin of the need as is a keric to the help as possible and cut are the need nional to

its base.

The sain is that folded over the hotel of the lind and fostered. The sind is filled with a favorous stuffing and sever us. The wing, are folded so that the tips are close to the hodge of the unit of the light are drawn together with a lower strong confi. The same condition then regist around the tailpices, pressed over the back, and const the uncertains of the wings, then the lower tips and tipd concept the back.

As for a esting, hive Handerson advantas of was aderate temperature of 300 degrees at all times. A sut 31 to 30 country of realting is alletted to each round of bird. The arrive as placed on a rube in a flat, uncovered pure. We water is secessary, coording to Mill Aenders no. If one bird is not quite as brown as desired the oven may be turned up for the basis 15 or 30 minutes of baking. Rubbing unsalted fat or color the skin will help to give a sainy gloss.

This method opplies then young light turbey, may of which will be on the morbet this winter owing to short feed outuation, says Mass Henderson. She prefers cooking both old and proof makeys with the breast lone down, since this will allow some of the lot to menetrate throughout the bird. However, when old turbeys are

reasted the constantis covered over.

A test for dimensors is to thrust a stack theory into the thigh next to the breast. If the juice is not red, the turkey is home. Use of the low temperature throughout chiminates the need for basting, says Miss Henderson, and also follows out the general rule for a obting all mosts.

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## Frotein Will Improve Rusults Dr : En ding Of Silage

As a means of conserving docuth stunted corn for feed during winter menths, the muchor of trench sites now in use on Illinois farms is more than declare the number for any providus year with some counties making from 500 to 1,000 such siles, according to D. T. Kelbins, livestock extension specialist. College of Adriculture, University of Illinois.

"One of the problems in using silage concerns the supply of protein so necessary in the investock ration," Robeins said. "Farmers have found that animals

do such letter when the sclare is islanced with a protein ford."

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COLLEGE OF AGRICULTURE UNIVERSITY OF ILLINOIS

Timely Notes for Farm Advisers and others from the Agmentural College,
Experiment Station, and Extension Service

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### Value of Illinois Isam 99 For Cour Acres I. S. W. rate

Average acts and various of Illinois form real estate in the cost domes than during the region late to 1966 when express i in terms of the suctional amounts, according to Illinois Form Eler wher, a worthly elecular down it withe discriment erricultur 1 -conomics, loller of Armineltur , him maity of 110 mils,

However, the compage 1115s is farm one tolted last to meet determinent as

the aversee form in the office.

Computed toward by and fix a community form introduction and it of the valuations and some in Fig. . The matter of the interest of the fix of the fix of the valuations and some fix for Fig. . The community of the fix of

aversas valuations in objet to the new poer of the metional and the indithe relative standings of consists who in the of  $t_{\pm}$ , the signal for  $t_{\pm}$  , which is Illinois districts, Corke Rale and Europeanne, attailed their control of leterals at or early late, in 1-60 while a product their bosons also we relations and the orbit 1305, thus showing constitent from the fits in notices.

Florington and III was district to the end them for at which first in Is and their host in Is a continual set of the relative via the start in the court of the first in Island their lowest relative via start on IM or Fig., while countles a section Illinois sive. and in the southwest confine next of the cold to the cold their count relative valuation in 1935.

Between 1907 of 1 to 6 the volumenon of tand and half diseason occurs in the couthern, northwest, with a nimal one continues about as all the estate were fairly state. in relation to the state events. However, first 120 , in the region of most about undard mixemint of med and to a lune, differ has between areas witched markedly, and in periods of following the two trips, inflamences with chainsing.

listality in total ourselves for time her been most emphasized now shown toerestest charees, a than mare and remain the correlation of him. Toward to the realits a have had almost time as a six since and have seared most and sort to volve at smooth to their tenierries to abb and Gam.

Valued at 1 1/ hilling of thes, Illinois term heat enter-less year represented 0.7 per pent of the negligible of the 10% hilliens. This propertion is the low-est of any pencus contributed by the 10%, the flight time to the form of flow 1 and in the state had nearest it mosent tooks. In some time without following factor most enter was 10.6 the part of the till of all some in the nesten, the name of properties in the 60 cases since 1000.

The average valuation of farm in Illinois in 1970 was RA, GRL, with with 2 ren and apole . Andle that did Latin of \$1 form in the nation. In 191, the average Illing: farm had a volum of Niglad, which woo 140 per cent above the nation's average. Last gran the average form in the state was listed at \$9,500, which is still 39 our out above the national evergee. The gare veluations in these three regions were \$25.48, \$157.88 and \$69.11. represtively.

Between 1986 or a 1986 the same as Illinois form suffered on aversas decrease of 31,00%, or beside our the 1905 flaure, a decline of their best for each of the 10%

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Illinois to its ther states in formeral account no more time or in, meetr, restrance Form In the Acceptants tion. Furiry the respond Word than the manufacture el internin Ellings wit. N., i members did a husiners of St. .



### Illingua Footony Laurelle Are The Leff Over Loat Loan

Major upward movements in particus payrolls are reflected in Illinois citaes as well as in oth relarmer cities in the Trited States, according to Illinois Farm Foonomies, a monthly circular issued by the decarement of particultural economies, Gollege of Agriculture, Theoretics of Illinois.

Fayrolls in Illinois for the first eight morths of 1936 were 18 mer cent higher than for the now remed a your earland highly twice the nowness for 1932, it is pointed but. Turing the past men Illinois phyrollo have increased more rapidly than those for the summary as a smale. However, tray are still considerably lower, relative to the base period 1871-17, than those for the United States.

In sight cities, Tobria, Respects, Bloomington, Aurora, Springfield, Moline,

In eight cities, Thoria, Beckford, Bloomington, Aurora, Springfield, Moline, Fast St. Louis and Pecatur, factory courolls have increased more recidly when these for the state as whole. The greatest increase for the past year took rlade in Februs, it is stated in the circular.

For the first with months of 1008, I one maynells averaged full times about than those for 1205-27 and more than three times the average for 1205. In letter, last year, the circular reported that Teoris raynells were the highest of any city on the United States for which populated are available. However, despite the high level reached last year, Febric payrells faring the first eight worths of this year were nearly jouble those for the same compact year.

Improvement is business activity in Passis in 1920 has been coupld some indiaby intreased purchases of farm machinery and trantone. There has also been continued activity in the beverage inflatry, apporting to Illinois Farm Economics,

Receford expresses this year are 67 per cent higher than a year are and about three times this for 13%. The capacition of husiness in Received can be attributed principally to research activity in the metal inflative, in fuding the ranging are inflative to business machines, and to increased furniture cales.

Favrolls in Pool Island, Chicago, Parville, Jolies and Limit were lover in 1886 than the state a erag. Chicago povedlo neve increased much more variable than those in New York, alchowsh Unicego payrolls in 1.32 had fallen to a much lower (evel. in 1886 they were 81 car ont higher than in 1886, while those in New York had increased only 10 per cent.

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### Five Men Coread 10-Ton Carload Of Limestone In Day

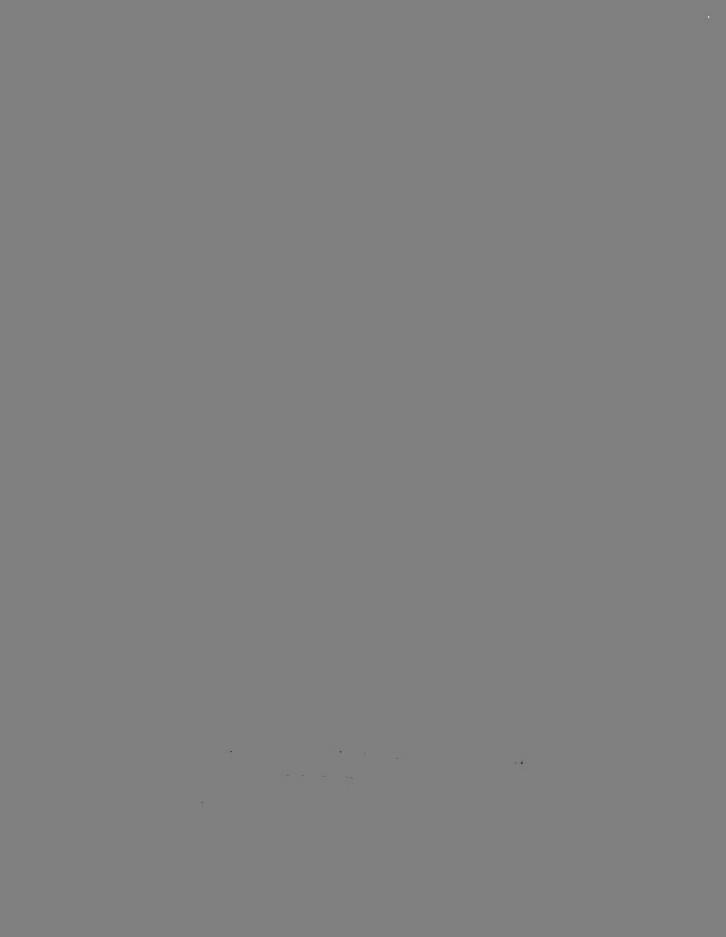
When five men and a truck can unload and spread a 10-ton corload of limestone a day, much of the back-ache has been removed from the task of sweeteniar and soil for the arching of le-upes, ways L. B. Miller, associate in soil experiment fields, College of Agriculture, Triversity of Illinois.

Using squirment deviced by D. H. Mullen, Toleno, Champains county, five ment on whose consecutive days were able to unlead a Deston carloal of limestone a day, ball it two and a half miles and soread it on the field, a continuous Miller.

The truck had a power dump lody which a load greatly as cotting the other is to the train r type parables. Isn to twilve manuted were resplied to distribute a five-ton load on the field at the rate of two and a soll to hear one.

While the truck with its driver end two showelers were became and or resing the limestone, two other showelers were loading a hopeen from he can be the called siding. The hopeen rose emireed with a simple trap when which conselves a confect of delivered a five-ton load of december and the truck. The converse completes and end could shall be called into particular truck.

Mullen made use of the obvirment to distribute 50% force of lime contribute summer on 200 server of land in Chamenine so why.



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ja čeveni vodine pak mili činim i sloviki čili na nakovana v " A partition of the mass will be a confident of 13 or on April May a log of 7:12 has build Term and II or on product to 10.



### Jural Talant Stats Fines have been further iting

First stay in suggestion, for the 1987 Illian and a sure and brawn townsment to be held at the University of 1 Troots College of Assimplifue, in connection with Ferm and Hard Nacht, Jaruary 19 to 15, will be taken Darwicher 33 with the completion of a series of ten distant to ribes of ferm and had advisors, county chairmen and a ting mires,

Delicate and the obserting office of the country in the obser, according to E. H. Regnier, associate in warel to a lowy extendice, which in

charge.

Dethils for watered trym as are arriaged of the crelinings hashiet meetings which have been held at an wase, Yerkvalla, Mt. Carroll, Moline, Windowston, Effingham, Line to courts and Johanda, A meeting has also been scheduled it Salliven, November

As a small minery in the same purish and down town dent, county organizate are fix to held to select the one-ontology group, ments charget, mixed analytet, women's trio and orchestes comply of a recription in the district tryouts, a coming

to Regnitt.

From the timed trief tryours from of the nort extatanding one wast play groups, martets, tries and eache treasure selected from ever the rists to somete in the atobe tourisment. In the county and discrict bryouts, the write do not compete against each other, but are raise perceding to the region of their parformatice. Turn that some almost a count that county to pate har a leadily becauseld in some countie .

Last year the Winchester Works of 210, of Sont Committy, wenthe ones at play context, the Lanar community of Caroll county to be how of the house of its men's partet, the Forest City hore to companit from . In county won the cined quartet con dition, the islinehan losies or stat of countries controls awarden top honor- in the vomen's quartet convert only the lines "wint community of levingator. county a sixed fir t in orchartre consertion.

### Goed-Corn Lean Flar Probably Don Researd In Illinois

At has vest of the 1056 corn over propreties and drouth at teaching more form durtable for seed that was at first enticipated, it is probable that the emergency federal seed-some loan will not be near carry of Telipois that is buy according to J. C. Hackleman, roos empenation specialise, College of April living, University of Illinoi ...

The seed-porn loop program was dank and to assume a spera in doorth and grasphopper atrichen areas that sheques and have of common a be available for planting neat spring. Developments in placement of backers and Ransac in costs of a those at this will have to import while small a contities of send-corn than their

Cost Mitty

immever, it is committee the lemma sign that come factors in from a community cay be in the market for Engle. Reid . How Ten. iion could not essit could be Mittis. Acule ompolies of paed are moilable in our continuous.

To facilitate the overest of seed coss in dicuth on or there it is in ismand. Healthoman is compiled; a list of affice a feet a tree to be good and white

has loan carefully hendled.

Wille swaiting jurisity patibalon that we can love two-survives having good hand should must get the first common the sound that come is a recommendation of the first two on Caret contains. Herefore a cago winds the color of the contains ໃນ ກວາວພາຍສະ ອະດຸ ກຸ່ວ ກ່າງ ໄປ ຄຸ້ນຄົນ ເປັນ ພັດ. ກ່າວປ່າ ປະທານທີ່ຫວາຍກ່າວ ກ່າວ ການເພື່ອນກ່າວ be ແລວປາທີ່ ອຸກ ຄວາມ ປະທານ ປະຕິດ ກ່າວ ຄຸ້ນ ໄດ້ ພັດ ພັດ.

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#### Heed Signifies Ample for Germanians, To earling stock

Elegant supplies of seed and foreign in Talk the indicate that increase in the state chould be able to get through the complete but having to over use brething paints because or feed short, jet, noted has now of Thinois, livestock extension specialist, dologo of Agricultude, the organism of Thinois.

"Although to stangly or good for such but his deason, it amounts to reday

"Although the singly or goals for such as independent, it amounts to reply as much for each annual as the small opport of 1904," by uside "The supply of roughege is likewiss smaller than usual, but and subjectly Dopen and larger for each hay-consuming animal than the small captly or 1900."

As in other years to scarce and high procedured, farmore with levestock to fatten are interested in terms which might replace the languar sheet special ad or the farm. However, experience has shown that even in years when it is high percent, corn is usually the best and most reproceded basis for any fattering ration. Form is higher in digesticle authints than any feed where might be used to replace in.

For this reason law stuck seeding nuthors uses at the agricultural college recomment that any feed purchased to replace country single for law, than the price of corn a round,

imparators from the values a bushed for general factor a listed of the approxitural college authomities are corn. The wheat \$1, mye be conts, barley 70 cents and oats 60 cents. It is applianted that this allows the outer for grinding the small grain when recessary and allows for the ristern to the principal incidenty hogs believing cattle.

Some will reme are rested as suitable to replace or that are substitution requires consideration of the points of the remises consideration of the points of the remises consideration of the points of the remises.

In some lottle five twisters in reported to the chesp computed with tour, tith corn at \$1 a hushel, a comparable cost of molarises would be \$40 a box, agricultural college authorities exclain. They point out that colleges can be used to replace only pair of the real.

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### Blectrified farms to Got The Res. Penants in Future

Fith the contains extension of runal electric strong in Illinois, land owners of the future with the better class or tenants delecting those it has equivoed for electric service.

That is the prediction of E. W. Dehmarn, read in the department of agriculture, Christopering, College of Agriculture, University of University.

Surther in , he collected that many formers will find that by equipping their forms for electricity, they will remaine a high inserest on their asyouthent because of improved foreign acrditions and improved efficiency on the family

Final electrication is arreading of buch a rapi, rate throughout the nation that it is anticipated there will be 1, 00,000 highline-electritied forms in the country by the beginning of 1937. Finally, may to June of this year, 71,245 farms were given electric service, trunging his total to 80,,000.

In Illinois desing the rivet seven months of this goar 1,95% piles of rural line occastruction has been authomized, as temps to with 118 miles in 1955 and a mare two miles the plan pagolo.

The autension respice of the agricultural is theget, or parating with of er interested agencies in factoring the extension of effect of contact to make Illianois farms. A circular on factoring for all-ability, we be obtained by writing the college at them.

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Timely Notes for Farm Advisers and others from the Agricultural College, Experiment Station, and Extension Service

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Records with an ept on compact of in the a test of he constant inity industry of the T. T. Department of against our which is expending with the extension

service of the grant thurshound at he in the progress.

"With such emermands of hely available in reducing animals, both male and female, that observe and translit an innerit nearly reducing capacity may be identified and located and their influence per turbal and discominated." Rhode seal

"While here improvement through by event has become an important part of the program of dring hard improvement association, where breading programs are no sunger confined to hards or associations within a stable." Fourly live of our contains any extend to hards wide as societared in disferent contains or disferent scatters."

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be proved to the multipot possible dates.

wouther the responsibility and serve cornered with the tregion is loubleth the association to the depointed out. Data reposted by the tester is she do my department of the expectation college with the forwarded to the bureau of dairy industry.

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## Full Cleaning of Governo a Comp Damage From Insects

The best of the state on attack upon 1937 vegetable garden insects is and about factor Jack Control against visits here willed all vegetation, according to Sec A. Someon, extending specialist in vegetable gardening, Callege of Agric Sture, University of Illinoise.

"Cld size of a stables, ald suchaber, liquesh and melon vines; ald cabbage and cauliflower liquesh and ald tomate vin soft left in the garden act as overwinter-

ing quarters for several of the worst garden inducts, " Somers said.

"If drop recording, weeds and only winds of gorden track are constitly related off the garden and burn a, thousands of it at age will be abstroped to continued. They will not have a chance to some out early may along and first a she struggling young garden plants. Burning on otherwice Pestinging to read to a sequentially important."

After the garden has been the magnitude inequal concrete recommends playing under a new young little in of menure and altering the galden to lay in the rough intrott over winter. In spiral of winter callowing has a law milgon, be concerted. If per sits the coil to assure the annual amount of court and a concert in factor and the transfer of the upper situations.



N . XIX--117, 4

### Remission In a May souther Duckage If ir negochted

Formula of eleming increases in contogious about his cases and indeption to it and at the tions, Illinois the law to are comed gainst the creative of armsplicating trees without first obtaining an inspection of attitionth, according to No. G. Fuller, extension specialist in landscape surdening, Tallege of Agriculture, University of Illinois.

Techle often introduce the air to into new the continuously it, fuller said. "Alon opening in the mobile best to the relation to his part once it home and plant it. The tree trabably does not turn, but it may carry hormful diseas and massets which will be fitted to other upsets."

Fuller counts out the denger in collecting notice, area-growing glons noterial from outlying areas bout the form, etronom, their random are shout the home growing unless the class are clast been inspected by the state a-parameters against true.

To give any or enchange trace, shrubs, wines in somer illustrational discuss and insect pressures and to be guisty or violating the Insect Past and floot Daceage but which carries a fine of from \$ % to \$ . . For exploition, Public we found the Act also required that nursery ascent sold or given own, he of rays the clant industry division of the State Department of Agency State.

To evoid the number of district and and the stangers are decined transplant transplant transplant transplant from annuablery was obtain afficial inspection by notifying Harbert E. Grifert, which plant inspector, state Department of Agriculture, State Antonologist's Laboratory, Orbano.

Inspections are said are of theme juring regular string inspection tours.

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### air-Conditioned Hon House the Nor- Winter Eggs

Whether the scultry howe is moderness. For suturistic in its design matters little to the everage filarois hen, but she as a suggest to "bit a maitining" in the soli winter months this shows her suggestation by itselving on laying. H. H. Alp, everages some poultramen, is lessed of agriculture. This resity of Illinois, contends.

Housing of coultry for winter is a different robber from housing other form livestoca, Alperadained. The abount of hert developed by the birds is so in sensitional from the standard of adjecting room tomograph that those housing incilities are been which provide the hor with clerity of fresh air and at the same time crotect the against extremely for temperatures.

Wearly every flock comer has seen ego production drop of ofter a severe cold spell. On the other hand experimental evidence indicates that heated houses with temperatures of of pegrees Pahrenheit adversally affect the health, belong weight and against of the birds.

In preventing clutter in egg prediction following hold spells, the use of heat to usualities on a crigorest ture of about is to be press Februariest has been found affective. For many flock owners, temporary must during hold periods can be provided by the use of brooker aboves or some other well an type of room heater.

The kind of heating and used will very with the availability and price of feel, Aspessia. In the event of a chea, court or feel, regular heating write night self to available, on as not water cipes half to the floor or hang or one of the sale.

"If held is to be used profitably in joulity, now of it is necessary that it be low in cost of queration and not represent a big investment," All asserted. "To consider it threating a possible rupplementary aid in gatting winton a gas is a mail take."

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A written vicence when ever only saytem prices will be meant in . North lives that a many the part to a common the groot introduced has been as a made, with ware to thout, the actionseed all and the current prior of ecoses will is a 17 th c under that of continues of . Also, the short how production has educed supplies of lard, that is indicate a no but her his for acybean oil.

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Vol. XIX--ID. C

#### Fasture Problem To Be Aired at road Aire and and and a second a second and a second a second and a second and a second and a second and a second and

With brighter the prospects the A few 1927, a program a sig-Thinory commerce in terring adventure of higher enterior and in researching and passure specimens is robeingled for the agreeous about course to the first of Francisco and Home Weels, syonsoned by the Collbago of Applications, University of Indicate, January 11 to 15.

Opening the compact to the later mean of the form fHackleman, brong Antendian association of the agree thrush collect and a largest title croblem of meding the apply of learne see a go contier. He will be followed by O. E. May, director of the regional copt on invartaint for barro I territary, larated at the college, who will plant out some of the personal evelorments in the universal A

uses of populears.

Pasture outrovenent problems will be considered the protond for moth the agronomy, amend mescamer and for a southern booth fing to present in these of

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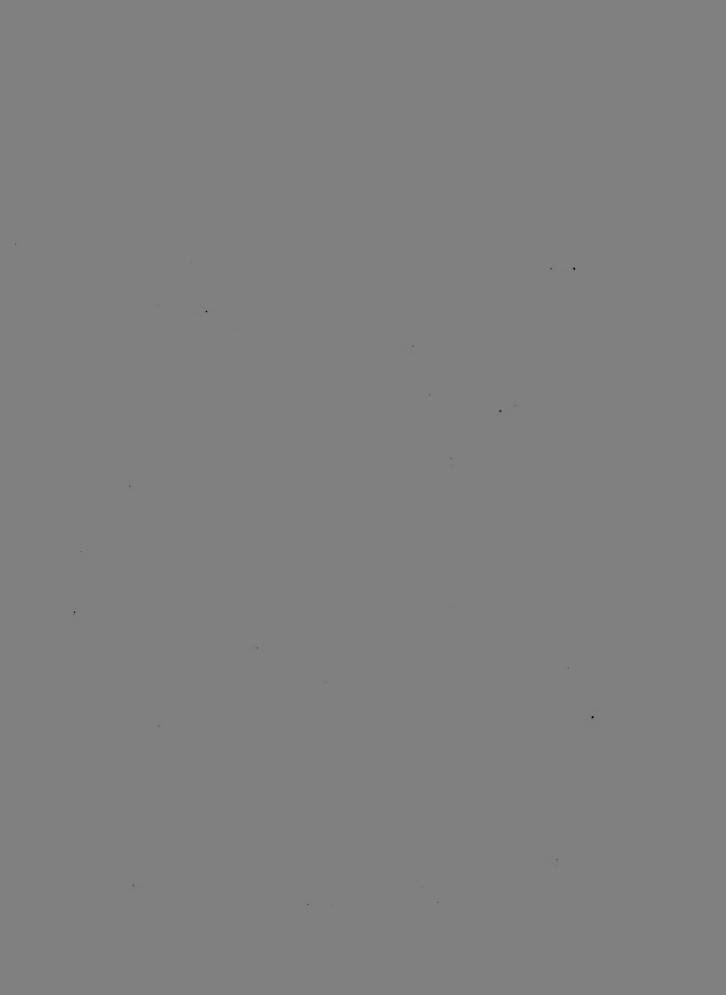
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#### Heavy Storage Stocks Allay Threats Of Food Shortage

Threats of a food shortage this winter are minimized by reports that the nation's ice box is more heavily stocked than usual, according to Illinois Farm Economics, a monthly publication issued by the department of agricultural economics, College of Agriculture, University of Illinois.

Cold storage holdings in the United States on November 1 were higher than for the same month during the five-year period, 1931-35. While pork in storage was 14 per cent below average, stocks of beef and mutton were relatively high, accounting for total stocks of meats slightly above average.

Supplies of eggs and apples were lighter than usual, but those of poultry, cheese, butter and lard were above average. However, as compared with 1934, storage holdings of all these products except poultry were lighter.

Both the farmer and consumer benefit by movements into and out of storage, since these movements help to distribute the highly seasonal marketing of many perishable products over a longer consumption period, thereby acting as a price stabilizing influence.

It is pointed out, as an illustration, that were it not for storage supplies the price of eggs would be much lower during March, April and May when production is heavy and much higher in October, November and December when production is low.

A part of the meats in storage are those in curing processes. Storage holdings of pork usually are lowest about November 1, and increase with the seasonal marketing of spring pigs. The peak in storage stocks occurs in late spring or summer, varying somewhat with the kind of curing used. Stocks of lard are lowest about December and highest in August.

Poultry is held largely in a frozen condition, with the lowest storage stocks about August, and the highest in January or February. Eggs both fresh and frozen have lowest stocks in storage in March and the highest in August. Holdings of cheese are lowest in May and high in September and October, butter stocks are least in April and high in August and September. Apples are largely in storage by November 1, and have been largely moved out by June 1.

The amount of cold storage holdings is of interest to consumers, since it affects the supplies of foods available to them, the circular points out. When farm marketings of any of these products are unusually large, there is ordinarily a heavy into-storage movement which reduces the supply but on retail markets. On the other hand, when farm marketings are small, the out-of-storage movement supplements them.

-M-

#### December Trading of Record Volume Is Now In Progress

A December business which gives promise of surpassing Christmas buying records for the past several years is now in progress, according to Illinois Farm Economics, a monthly circular issued by the department of agricultural economics, College of Agriculture, University of Illinois. Factors listed as influential in causing the December business increase are the unprecedented wave of announcements by many corporations of cash dividends to stockholders and the payment of substantial wage increases or bonuses to workers.

This action of corporations is attributed to an effort to avoid paying the new federal surtax on the undistributed corporate earnings, which according to law, becomes payable in March 1937, it is stated in the circular. By distributing net earnings to stockholders and wage earners, corporations can limit their tax payments to a levy ranging from 8 to 15 per cent. If they retain those earnings, they will have to pay a surtax ranging from 7 to 27 per cent in addition to the base corporation tax.

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COLLEGE OF AGRICULTURE-UNIVERSITY OF ILLINOIS

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COLLEGE OF AGRICULTURE—UNIVERSITY OF ILLINOIS

Timely Notes for Farm Advisers and others from the Agricultural College, Experiment Station, and Extension Service

Volume XIII

Denemi, + F , 1938

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